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DEPARTMENT OF TRADE AND COMMERCE  
OTTAWA, CANADA

Minister  
HON. W. D. EULER, M.P.

Deputy Minister  
JAS. G. PARMELEE

ANNUAL REPORT

OF THE

Board of Grain Commissioners  
for Canada

FOR THE YEAR

1936



OTTAWA  
J. O. PATENAUDE, I.S.O.  
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# REPORT OF THE BOARD

## BOARD OF GRAIN COMMISSIONERS FOR CANADA

WINNIPEG, MAN., January 15, 1937.

Hon. W. D. EULER, M.P.,  
Minister of Trade and Commerce,  
Ottawa.

SIR,—We beg to present herewith the Annual Report of the Board of Grain Commissioners for Canada for the year 1936, in conformity with section 23 of the Canada Grain Act, 1930.

### GENERAL CONDITIONS

The improvement in the general situation in regard to Canadian grain and the reduction of the carry-over has facilitated the work of the Board in supervising the handling of grain. Exporting grain of two or three different crops at the same time tends to wider variations in cargoes than is the case when the major portion of a crop is disposed of during the crop year in which it is harvested. Stocks of Old Grade Manitoba Two Northern have, as foreseen at the time of the Board's last report, been disposed of, the amount in store at the end of the year being only three hundred and thirty-five thousand bushels.

### GARNET WHEAT

During the year settlement was received by the Board for the trial shipments of Garnet Wheat. The net cost of this experiment was only Nine Hundred and Two Dollars and Twenty Cents (\$902.20) although the wheat was acquired by the Board on the basis of Manitoba Two Northern and settled for by the consignees on the basis of Manitoba Four Northern. This, of course, arose from the improved market prices which occurred between the date the Board acquired the wheat and the date of final settlement. Copies of the actual reports as to the quality of these shipments, received from the consignees, are attached as an appendix to this report. The Chemist in charge of the Board's Grain Research Laboratory summarizes these reports and his own tests as follows:—

“Summarizing, our tests indicate that No. 2 C.W. Average Garnet ex Vancouver is approximately equal in baking strength and blending value to Vancouver Average No. 5, while Winnipeg Average Garnet of the same grade is only equal to Grade No. 6 in these respects. On the other hand, Rank Limited, who examined the Vancouver trial shipment considered it to be equal to ‘No. 4 Manitobas’, while the Belgian mill who tested the Montreal shipment considered that it compared favourably with ‘No. 5 Manitobas’. In other words, these firms considered it to be superior by one grade as compared with the laboratory's placing. It must be borne in mind, however, that the laboratory did not have an opportunity of testing the precise wheat sent to the above firms and that the protein level of the Vancouver trial shipment was approximately one per cent higher than the average sample obtained for our tests. In view of this, the agreement in general conclusions between the overseas millers and ourselves may be considered quite satisfactory; if anything the Garnet grade has been somewhat more favourably received abroad than our own studies would indicate.”



## CANADIAN GOVERNMENT ELEVATORS

Despite reduced handlings at the Moose Jaw and Saskatoon elevators the Canadian Government elevator system was maintained practically on a self-supporting basis. The actual loss for the year was \$5,135.64 after providing for expenditures of some \$36,000 on repairs, most of which were at the Prince Rupert elevator. Owing to limited terminal facilities at Vancouver the Government elevators in Alberta did a good business. On the 1st of December, 1936, the elevators at Moose Jaw and Saskatoon were closed down until such time as there would appear to be some reasonable prospect of their being of service to the public. The Port Arthur elevator is still under lease to the McCabe Bros. Grain Company, Limited, the rent paid during the year under review being \$45,000. The Prince Rupert elevator is rented to the Alberta Wheat Pool at a nominal rental of \$2,500 per annum on condition that a specified quantity of grain is handled through this elevator in each year. In preparing final accounts for these elevators no allowance has been made for depreciation, etc.

## COMMITTEES ON GRAIN STANDARDS

Committees on Grain Standards for the crop year 1936-37 were constituted by the Board in accordance with section 25 of the Canada Grain Act, 1930.

The Western Committee was convened at Winnipeg on September 29, 1936, and the Eastern Committee was convened at Toronto on October 15, 1936, and at Montreal on October 16, 1936.

## AUDIT OF GRAIN HANDLED BY PUBLIC AND SEMI-PUBLIC TERMINAL ELEVATORS

The regular annual audit of the public and semi-public terminal elevators has been carried out. No excess overages were found.

## WHEAT BONUS

A further sum of \$86.85 during the past year was paid out on the 1931, wheat bonus. Outstanding certificates still remain to the amount of \$8,532.43.

## TARIFF MEETINGS

The usual public hearings to hear representations in the matter of tariffs of elevator charges for the crop year 1936-37 were held by the Board in July and August at Winnipeg, Vancouver and Toronto.

## COUNTRY ELEVATOR OVERAGES

The Board considers that its policy of checking closely the operations of country elevator operators continues to show favourable results. During 1936 Assistant Commissioners investigated the handling of grain by twenty operators whose operations had led to continued accumulation of excessive overages. In addition agents whose records for the Crop Year 1934-35 showed for the first time an excessive overage were interviewed and warned by Assistant Commissioners.

## EXPENDITURES

Total expenditure for the fiscal year 1935-36 was \$1,848,250.96 as compared with \$1,679,235.98 for the previous fiscal year. The increase of \$169,014.98 was chiefly due to:—

Return of 5% on salaries.....	\$81,292.99
Statutory increases.....	20,046.25
Expenditure on Garnet wheat (recovered in present fiscal year except \$902.20).....	15,390.05
Repairs and new machinery and equipment, Government Elevators.....	50,000.00
	<hr/> \$ 166,644.14

Revenues for the fiscal year 1935-36 were \$1,281,223.84 compared with \$1,204,535.91 for the previous fiscal year, an increase of \$76,687.93.

For the first nine months of the current fiscal year total expenditures despite the granting of statutory salary increases is approximately the same as for the corresponding period during the previous crop year, whereas the revenue during this period shows an increase of approximately \$75,000 over the corresponding period in the previous fiscal year.

#### GENERAL

On the whole the operations of our organization have run smoothly this year, no exceptional difficulties having been encountered. A general revision of the staff with a view to improving the terms of service and permitting of the promotion of younger men was undertaken and is now before the Civil Service Commission. This revision when effective will enable considerable economies to be made.

Reports of the various departments of the Board are attached hereto as appendices for your information.

Respectfully submitted,

E. B. RAMSAY,  
*Chief Commissioner.*

D. A. MacGIBBON,  
*Commissioner.*

C. M. HAMILTON,  
*Commissioner.*



## APPENDIX No. 1

## REPORTS ON TRIAL SHIPMENTS OF GARNET WHEAT

## 1. CO-OPERATIVE WHOLESALE SOCIETY LIMITED, LIVERPOOL, ENGLAND:

## GARNET WHEAT EX ATLANTIC PER S.S. "URLA"

We have made very exhaustive tests both "Analytical" and "Commercial". As "Commercial" users, we attach more importance to the latter, because it affects general practice more so than the former. We have made a series of tests, conditioning the Wheat in a different way each time. We do not think that it is necessary to give the details of the various tests, other than that we think suits the wheat best. From a "commercial" standpoint, we find there is very little improvement in this wheat from the "analytical" standpoint between *Unconditioned* and *Conditioned*. There is, however, a vast difference between *Unconditioned* and *Conditioned* from a practical point of view. The most important, in our opinion, is the Moisture Content. We find that this Wheat will not mill to give reasonably good results, unless it has 19% of moisture before starting to mill. We have made various "Commercial" tests in our Bakeries, and in every case, the reports are—that the Flour with a higher moisture content responds better to fermentation and builds a much better loaf than that with a lower moisture content. There is, however, a tendency for the dough to be very sluggish. It is very slow and in every case inclined to be 'dead' without much spring. The general report from several tests is, that the flours have a general weakness, being totally lacking in oven spring. The doughs from those flours were dull and lacking in life, handling claylike. The bread produced was anything but satisfactory, and generally the bread produced is not of a competitive standard. The colour is a deep brownish cream, and has an appearance of being always slightly specky. We put this down to the colour of the endosperm, which is not so bright and clear as that of the British Miller's Wheat Mixtures. We have, therefore, come to the conclusion that the dullness of colour is not one of specks produced by milling. We should prefer, if we had to use this wheat, to condition and mill it separately giving it special treatment,—then blending the flour with the usual mill stream. We are of opinion that this is the only way to deal with Garnet Wheat, and, of course, this is not a practical proposition or method that could economically be adopted in British Mills. There is one striking point in making different grades—that is, say, *Straight Run Flour, 50% Top Flour and 50% Bottom Flour*. With the exception of colour, those three grades from an Analytical Test, and also Baking Test, are almost alike. We have never experienced this at any time in any single wheat, or any wheat mixture. The gluten quality in every case was very firm, the average Maltose figure being 2.07.

Generally speaking, we do not care for the Wheat, and should not use it so long as we could get ordinary Manitobas, and other Wheats available. We consider that unless very special treatment is given to it, the miller runs a very great risk, because of the claylike character of the dough and lack of oven spring.

## 2. CO-OPERATIVE WHOLESALE SOCIETY LIMITED, LIVERPOOL, ENGLAND:

## GARNET WHEAT EX PACIFIC PER S.S. "KORANTON"

We have given this wheat special treatment, very similar to that which we gave the Atlantic Wheat, the only difference being that the process of conditioning improved the wheat much more so than in the case of the Atlantics. The characteristics of this wheat are the same, only much worse than those of the

Atlantic type. It has much lower extensibility; the gluten although being firm is much shorter. The colour is also worse being brownish deep cream. The loaves baked from the flour were poor in volume, crumb and colour. Here again the dough was of a sticky clay-like character, and was very slow in responding to fermentation. We should much prefer No. 4 Manitoba to this wheat, and again we found that it would not mill reasonably well, unless it had 19% of moisture. It was no good whatever from a "commercial" standpoint; that is, to make commercial bread, and the effect of mixing only 10% of this flour with our ordinary standard grades was, that the loaf was considerably reduced in volume, giving a much closer crumb and a dark crust. We do not like this wheat in any way, and would not use it knowingly under any consideration. In both cases, the yield of flour was good, being 73.5%.

This report is not confined to one test, but to a series, and the observations made are what we have found to apply generally to the whole series of tests.

From a British miller's standpoint, it would appear that Garnet Wheat shows such poor tolerance to conditioning and milling variations, that it is unlikely in the ordinary commercial procedure, that the maximum strength of flour will be produced.

Again may we just say that we should hesitate to use either of those wheats, unless we were compelled by circumstances.

### 3. JOSEPH RANK LIMITED, LONDON, ENGLAND:

#### GARNET WHEAT PER S.S. "URLA" AND S.S. "KORANTON"

We have made complete tests of the following two lots of wheat:—

Atlantic— 8,000 Bushels ex the s.s. "Urla"—ex Starmount.

Pacific— 8,000 Bushels ex the s.s. "Koranton"

and have carefully reviewed the value of this wheat in comparison with the standard grade of Manitobas and other wheats. The condition of the wheat on the mill was entirely satisfactory and it grinds kindly and dresses freely. The chemist returns the quantity of gluten as 38.5% wet and 13% dry but, while the quantity is fairly high, the quality appears to be very deficient in stability. The Extensimeter test shows a diagram with many similar characteristics to that of Indian wheat, having a relatively low basis of strength.

The Mill was set to give a divide of 50% Top and 50% Bottom and then for a straight run flour, which is our usual method of testing individual wheat flours. None of them was bleached or treated in any way so that the actual result of the wheat was determined without any addition. It was found to be somewhat difficult to compare the results of the baking test with those of ordinary Manitobas as there was a distinct difference in general loaf characteristics.

However, by comparison with No. 2 Manitobas, the Manitobas were distinctly better in all three grades as to size of loaf, colour and texture. The comparison with No. 3 Manitobas was that the 50% of the top of the Mill (which, of course, is a short top patent) was a reasonably good colour but very definitely yellower than that from the Manitobas, and the size of the Manitoba loaf was appreciably larger in volume. The 50% of the lower half of the Mill from the Garnet was lower in colour which in money value would be round about 1/- per sack of flour. The loaf was also more dense in texture and consequently less in volume. The straight run Garnet flour was consequently of lower quality than the straight grade, the texture of the loaf being close and rather cheesy in the Garnet, while the colour value was round about 1/- below that of the Manitobas.

Briefly, our summing up is that for comparative purposes we should regard the No. 2 Garnet wheat to be about on a parity with No. 4 Manitobas. Incidentally, the general quality of the loaves from the No. 2 Garnet was below that of a range of loaves representing a parcel of medium quality Russian, No. 441/11.



## APPENDIX No. 2

### REPORT OF SECRETARY

WINNIPEG, MAN., January 13, 1937.

The Chief Commissioner,  
Board of Grain Commissioners for Canada,  
Winnipeg, Manitoba.

DEAR SIR:

I have the honour to submit the following memoranda summarizing different matters handled in the Executive Offices of the Board during the Year 1936.

- (a) Complaints
- (b) Prosecutions
- (c) Defaults
- (d) Cars out of turn
- (e) Licences issued, Crop Year 1935-36
- (f) Licences issued during past 20 years
- (g) Grain-loading Platforms
- (h) Report of Statistician
- (i) Annual Weigh-over, Terminal Elevators.

Yours truly,

J. RAYNER,

*Secretary.*

#### (a) COMPLAINTS

##### COUNTRY COMPLAINTS

During the year ended the 31st December, 1936, there were investigated by the Board, in addition to the eleven (11) complaints which were outstanding at the 31st December, 1935, one hundred and twelve (112) complaints regarding the handling of grain at country elevators, shipments to terminal elevators, the operations of licensees and the operations of parties dealing in grain but not licensed under The Canada Grain Act as follows:—

Manitoba.....	27
Saskatchewan.....	19
Alberta.....	66
	112

##### Summary of disposition of country complaints:—

No grounds for complaint.....	30
Complaint withdrawn.....	12
Settlement effected between parties.....	61
Outside jurisdiction of Board.....	10
Settlement ordered.....	4
Defendants prosecuted.....	2
Not yet disposed of.....	4
	123

##### MISCELLANEOUS COMPLAINTS

One (1) complaint in respect to the handling of grain at terminal elevators was received during the year 1936. Two (2) such complaints were outstanding at the 31st December, 1935. These were disposed of as follows:—

No grounds for complaint.....	1
Complaint withdrawn.....	1
Outside jurisdiction of Board.....	1

## EXPORT SHIPMENTS

During the year 1936, six (6) complaints in respect to shortages and seventeen (17) in respect to quality of grain were received from overseas and were investigated by the Board. These, together with the four (4) complaints outstanding at the 31st of December, 1935, were disposed of as follows:—

Compensation paid by board in respect to quality of grain.....	2
Compensation paid by shipping elevator in respect to shortage of weight.....	1
Complaints <i>re</i> quality of grain not upheld.....	22
Complaints not yet disposed of.....	2
	<hr/> 27

## (b) PROSECUTIONS

During the year 1936 the Board instituted proceedings in the Civil Courts in two (2) cases of breaches of The Canada Grain Act. Convictions were obtained in both cases, the defendants each being fined \$10 under Section 149 of the said Act.

## (c) DEFAULTS

During the year 1936 there were no cases of default by licensees of the Board.

Two (2) cases of default during the year 1935, which had not been finally disposed of at the date of the last report, were settled as follows:—

WILLARD CUMMING & ROBERTSON GRAIN COMPANY, CALGARY, ALTA.

The claim of \$250.32 which was outstanding has now been settled in full by the Bonding Company.

ROYAL GRAIN COMPANY, EDMONTON, ALTA.

Eight (8) claims amounting to \$3,946.13, on account of grain purchased under Grain Dealer's Licence, were approved by the Board and referred to the Canadian Indemnity Company for settlement under the terms of the bond in the amount of \$7,500 which was executed by that Company and filed with the Board as security. Settlement in full was duly made by the Bonding Company.

## (d) CARS OUT OF TURN

During the year 1936 the Board found it necessary to order nineteen (19) cars out of turn under the provisions of Section 68 of The Canada Grain Act, 1930, when seven (7) cars were supplied to a country elevator which was in danger of collapse and twelve (12) cars to a country point where it was found necessary to move "out of condition" grain to the terminals for treatment.

(e) SUMMARY OF LICENSING AND BONDING FOR THE  
SEASON 1935-1936

During the season which commenced 1st September, 1935, and ended 31st August, 1936, 187 firms and individuals applied for licences as required by the provisions of The Canada Grain Act.

Five thousand eight hundred and six applications for licences were received and 5,786 licences were issued. Sixteen of the applications received were withdrawn for various reasons.



## APPLICATIONS RECEIVED AND LICENCES ISSUED

Kind of Licence	Applications		Licences	
	Received	Withdrawn	Issued	Transferred
Track Buyers.....	42	1	41	0
Commission Merchants.....	51	0	51	0
Grain Dealers.....	31	7	24	0
Public Terminal Elevators.....	6	0	6	0
Semi-Public Terminal Elevators.....	38	0	38	0
Private Terminal Elevators.....	37	1	36	0
Eastern Elevators.....	31	0	31	0
Mill Elevators.....	20	1	19	0
Public Country Elevators.....	5,538	6	5,528	4
Private Country Elevators.....	12	0	12	0
	5,806	16	5,786	4

Grain Dealer's Licence No. 42.—which was issued on the 1st of September, 1935, to J. O. Prefontaine and Leon Prefontaine trading as the Royal Grain Company, was suspended by the Board on the 18th day of December, 1935, owing to the fact that the Company was unable to meet its obligations to certain parties from whom grain had been purchased.

The following licences, which were issued at the commencement of the season to the undernoted firms, were cancelled by order of the Board on the dates shown:—

Commission Merchant's Licence No. C. 74.—Middle West Grain Company Limited of Winnipeg, Manitoba; Company ceased to operate as Grain Commission Merchants; cancelled 28th May, 1936.

Commission Merchant's Licence No. C. 107.—L. H. Little trading as Little & Little of Dinsmore, Saskatchewan; licence applied for in error; cancelled 1st September, 1935.

Grain Dealer's Licence No. 41.—Federal Grain Limited of Winnipeg, Manitoba; licence applied for in error; cancelled 1st September, 1935.

Grain Dealer's Licence No. 44.—Thomas Duffy of Ponteix, Saskatchewan; licence applied for in error cancelled 1st September, 1935.

Semi-Public Terminal Elevator Licence No. 5.—Saskatchewan Pool Terminals Limited; elevator at Port Arthur, Ontario; taken over by Manitoba Pool Elevators Limited; cancelled 25th August, 1936.

Mill Elevator Licence No. 29.—Brackman-Ker Milling Company Limited; elevator at Vancouver, British Columbia; changed nature of operations to Private Terminal warehousemen; cancelled 3rd March, 1936.

Private Country Elevator Licence No. P-25.—Winkler Milling Company Limited; elevator at Winkler, Manitoba; changed nature of operations to Public Country warehousemen; cancelled 18th August, 1936.

Public Country Elevator Licence No. 4.—Winkler Milling Company Limited; elevator at Winkler, Manitoba; licence applied for in error; cancelled 1st September, 1935.

Public Country Elevator Licence No. 851.—Gillespie Grain Company Limited; elevator at MacKay, Alberta; licence applied for in error; cancelled 1st September, 1935.

Licence fees collected amounted to \$31,250; of this amount \$121 was refunded to the applicants; \$96 owing to applications having been withdrawn and \$25 on account of applications submitted in error.

Surety bonds amounting to \$26,688,411.50 were executed by 11 of the approved Surety Companies and were deposited with the Board as security covering the operations of the licensees; in addition two (2) of the licensees deposited negotiable Government bonds with a par value of \$12,000 in lieu of furnishing the usual forms of Surety bonds.

(f) STATEMENT SHOWING NUMBER AND KIND OF LICENCES ISSUED DURING THE SEASONS  
1911-12; 1915-16; 1917-18 AND 1919-20 TO 1935-36

(Licence year commences 1st of September)

Kind	1935- 1936	1934- 1935	1933- 1934	1932- 1933	1931- 1932	1930- 1931	1929- 1930	1928- 1929	1927- 1928	1926- 1927	1925- 1926	1924- 1925	1923- 1924	1922- 1923	1921- 1922	1920- 1921	1919- 1920	1917- 1918	1915- 1916	1911- 1912
Public Country Elevators.....	5,528	5,302	5,504	5,661	5,145	5,500	5,082	5,153	4,540	4,314	4,236	4,074	4,054	3,828	3,668	3,704	3,146	3,577	3,013	1,972
Private Country Elevators.....	12	13	14	9	12	385	398	309	156	35										
Public Terminal Elevators.....	6	7	7	9	10	8	11	10	11	14	21	11	9	12	11	12	17	17	13	
Semi-Public Terminal Elevators..	38	39	38	39	32	35	(formerly licensed as Private Elevators)													
Private Terminal Elevators.....	36	37	37	38	37	40	*76	*80	*80	*67	*64	*63	*60	*32	*29	*25	*17	*20	*19	**34
Eastern Elevators.....	31	31	30	29	28	29	†20	†20	†18	†17	†17	†11	†10	†10	†13	†11	†16	†18	†18	
Mill Elevators.....	19	19	21	22	26	25	‡27	‡18	‡16	‡10	‡10	‡12	‡11	‡9	‡14					
Elevator Space.....							1	1	1	3	3	2	2	2				7	10	58
Track Buyers.....	41	46	51	64	57	48	62	82	84	88	95	104	109	113	132	143	131	156	195	123
Commission Merchants.....	51	56	61	63	64	57	71	90	92	95	94	94	102	100	110	117	114	126	111	84
Grain Dealers.....	24	25	20	15	75	3	3	2	3	3	3	3	4	6	3	2				
Total number issued.....	5,786	5,575	5,783	5,949	5,486	6,130	5,751	5,765	5,001	4,646	4,543	4,374	4,361	4,112	3,980	4,014	3,441	3,921	3,379	2,271

\*Licensed as Private Elevators. †Licensed as Public Elevators. ‡Licensed as Manufacturing Elevators. \*\*Licensed as Terminal Elevators.

## (g) GRAIN LOADING PLATFORMS

No applications for the erection of new or the extension of existing grain loading platforms were submitted to the Board during the year 1936.

At the 31st December, 1936, there were 2,700 loading platforms in Western Canada at which farmers could load grain into 6,380 cars simultaneously without putting such grain through country elevators.

## SUMMARIZED STATEMENT OF GRAIN LOADING PLATFORMS IN WESTERN CANADA

Province	Number of Platforms	Car Capacity
Manitoba.....	633	1,758
Saskatchewan.....	1,293	3,026
Alberta.....	730	1,511
British Columbia.....	34	64
Ontario.....	10	21
Total as at 31st December, 1936.....	2,700	6,380

## (h) ANNUAL REPORT OF STATISTICIAN

J. RAYNER, Esq., Secretary,  
Board of Grain Commissioners,  
Winnipeg, Man.

DEAR SIR,—I beg to submit the following report for the crop year 1935–36.

The following statistics, compiled from returns received from the Inspection and Weighing branches of the Board, from elevator licensees and from other official sources, indicate the amounts of grain handled by the different groups of elevators in the course of distribution between producer and consumer; and the amounts exported, consumed and remaining as carry-over at the close of the crop-year, as compared with the total crop of the five principal grains harvested in Canada.

## CROP YEAR 1935–36 (ended July 31)

—	Carry-over 31st July, 1935	Total crop in Canada	Total disposed of during year	Carry-over 31st July, 1936
	bush.	bush.	bush.	bush.
Wheat.....	214,977,552	277,339,000	363,612,254	128,704,298
Oats.....	26,470,703	394,348,000	380,438,843	40,379,860
Barley.....	6,018,787	83,975,000	79,759,563	10,234,224
Flaxseed.....	312,979	1,471,600	1,515,292	269,287
Rye.....	3,165,715	9,606,000	9,086,463	3,685,252

## GRAIN CROPS OF THE PRAIRIE PROVINCES, 1935

—	Wheat	Oats	Barley	Flaxseed	Rye
	bush.	bush.	bush.	bush.	bush.
Manitoba.....	22,500,000	30,700,000	23,100,000	158,400	1,816,000
Saskatchewan.....	135,000,000	131,951,000	23,149,000	1,055,000	4,967,000
Alberta.....	102,000,000	82,203,000	16,376,000	155,000	1,596,000
Total.....	259,500,000	244,854,000	62,625,000	1,368,400	8,379,000



## PLATFORM LOADINGS AT COUNTRY POINTS IN WESTERN CANADA

—	Wheat	Other grains	Total
	bush.	bush.	bush.
Manitoba.....	1,746,936	1,843,229	3,590,165
Saskatchewan.....	1,239,696	577,061	1,816,757
Alberta.....	3,873,370	1,315,721	5,189,091
Total.....	6,860,002	3,736,011	10,596,013

## TOTAL DELIVERIES AT COUNTRY ELEVATORS

—	Wheat	Oats	Barley	Flaxseed	Rye
	bush.	bush.	bush.	bush.	bush.
Manitoba.....	14,470,900	4,005,286	8,081,719	82,428	961,012
Saskatchewan.....	114,846,111	16,997,558	6,348,063	819,576	1,684,016
Alberta and British Columbia	78,091,314	9,979,259	1,346,790	83,998	147,939
Total.....	207,408,325	30,982,103	15,776,572	986,002	2,792,967

## TOTAL GRAIN INSPECTED, BY PROVINCES OF ORIGIN

Manitoba.....	18,507,500	3,755,850	8,569,750	70,200	946,780
Saskatchewan.....	118,055,000	13,415,000	5,007,750	720,550	911,430
Alberta.....	80,983,700	7,789,750	1,157,200	87,100	97,520
British Columbia.....	593,800	47,900	10,300	2,150	2,770
Total.....	218,140,000	25,008,500	14,745,000	880,000	1,958,500

## TOTAL NET HANDLINGS AT FORT WILLIAM-PORT ARTHUR

Receipts.....	132,758,571	13,250,819	10,061,151	604,212	1,831,320
Shipments.....	178,890,942	16,470,632	9,754,055	637,106	2,755,584

## TOTAL NET HANDLINGS AT VANCOUVER-NEW WESTMINSTER

Receipts.....	57,243,676	2,950,954	181,850	2,598	31,521
Shipments.....	58,331,856	3,327,449	144,536	1,842	71,471

## TOTAL NET HANDLINGS AT PRINCE RUPERT, B.C.

Receipts.....	998,790	2,607	.....	.....	.....
Shipments.....	129	941	.....	.....	.....

## TOTAL NET HANDLINGS AT PORT CHURCHILL, HUDSON BAY

Receipts.....	2,487,431	4,280	.....	.....	.....
Shipments.....	2,407,000	4,093	.....	.....	.....

TOTAL NET HANDLINGS AT CANADIAN GOVERNMENT INTERIOR  
TERMINAL ELEVATORS

	Wheat	Oats	Barley	Flaxseed	Rye
	bush.	bush.	bush.	bush.	bush.
<i>Receipts—</i>					
Calgary.....	2,339,397	943,667	91,336	693	
Edmonton.....	2,094,182	176,064	80,923	178	
Lethbridge.....	1,247,369	233			
Moose Jaw.....	190,910	10,756	15,970	988	
Saskatoon.....	113,948	7,950	2,417		
Total.....	5,985,806	1,138,670	190,646	1,859	
<i>Shipments—</i>					
Calgary.....	2,204,382	466,261	83,200	693	
Edmonton.....	1,940,520	182,864	23,030	178	
Lethbridge.....	1,111,727	3,404			
Moose Jaw.....	298,027	10,911	15,215	988	
Saskatoon.....	112,948	11,970	2,417		
Total.....	5,667,604	675,410	123,862	1,859	

## TOTAL NET HANDLINGS AT CALGARY (SEMI-PUBLIC TERMINAL ELEVATOR)

Receipts.....	242,217	1,106	361,285		
Shipments.....	110,750	3,492	361,285		

## TOTAL NET HANDLINGS AT NORTH TRANSCONA, MAN.

Receipts.....	822,736	6,808	52,775	91	
Shipments.....	1,770,908	13,776	55,092	55	

TOTAL NET PRIMARY RECEIPTS AT INTERIOR PRIVATE TERMINAL AND MILL  
ELEVATORS

Receipts.....	36,493,123	8,763,209	5,995,694	4,490	112,482
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## TOTAL NET HANDLINGS OF CANADIAN GRAIN AT DULUTH-SUPERIOR

Receipts.....	8,460,202		790,850		
Shipments.....	1,156,300		277,566		

## TOTAL HANDLINGS OF GRAIN AT EASTERN ELEVATORS

Canadian wheat.....	Receipts, 164,427,961 bush.	Shipments, 184,820,242 bush.
Canadian oats.....	20,167,752 "	19,563,798 "
Canadian barley.....	14,403,239 "	14,652,637 "
Canadian flaxseed.....	582,309 "	582,309 "
Canadian rye.....	2,033,088 "	2,103,700 "
Canadian corn.....	629,115 "	568,728 "
Canadian buckwheat.....	264,622 "	290,780 "
Canadian mixed grain.....	9,932 "	11,134 "
United States oats.....	388,772 "	388,772 "
United States barley.....	189,170 "	189,170 "
United States corn.....	2,386,930 "	2,609,834 "
United States beans.....	3,549,553 "	3,514,550 "
South African corn.....	4,104,873 "	5,673,704 "
Argentine corn.....	4,611,159 "	4,722,935 "
Argentine flaxseed.....	1,058,211 "	1,058,155 "
Argentine rye.....		1,005 "

## IMPORTS FOR CANADA AND U.S.A. OF FOREIGN GRAIN UNLOADED AT EASTERN ELEVATORS

South African corn.....	2,828,729 bush.	Argentine flaxseed.....	1,018,241 bush.
Argentine corn.....	4,344,658 "		

## IMPORTS OF FOREIGN GRAIN FOR CANADIAN DOMESTIC CONSUMPTION

<i>Unloaded at Eastern Elevators</i>		<i>Unloaded at Canadian Pacific Seaboard Ports</i>	
United States oats.....	358,805 bush.	United States wheat.....	7,685 bush.
United States corn.....	101,506 "	South African corn.....	272,086 "
South African corn.....	2,631,801 "	Argentine corn.....	180,986 "
Argentine corn.....	1,371,147 "		
Argentine flaxseed.....	566,577 "		

QUANTITIES OF CANADIAN GRAIN SHIPPED IN VESSELS FROM FORT WILLIAM-PORT ARTHUR TO CANADIAN AND UNITED STATES PORTS DURING THE CROP YEAR, ADJUSTED TO ALLOW FOR AMOUNTS RETURNED INTO CANADA FROM UNITED STATES LAKE PORTS.

—	Wheat	Oats	Barley	Rye
	bush.	bush.	bush.	bush.
Total shipments—All ports.....	178,262,425	14,747,682	9,621,005	2,571,683
Shipped to Canadian ports.....	85,937,164	13,896,875	8,658,930	1,190,420
Shipped to U.S.A. ports.....	92,325,261	850,807	962,075	1,381,263
Returned to Canadian ports.....	11,215,113	68,529	417,479	176,785
Net total to U.S.A. ports.....	81,110,148	782,278	544,596	1,204,478
Net total to Canadian ports.....	97,152,277	13,965,404	9,076,409	1,367,205

## EXPORT CLEARANCES OF CANADIAN GRAIN TO OVERSEAS DESTINATIONS

Loaded at—	Wheat	Oats	Barley	Rye
	bush.	bush.	bush.	bush.
Vancouver—New Westminster.....	57,309,110	2,873,456	6,458	
Prince Rupert.....				
Churchill.....	2,407,000			
Fort William—Port Arthur.....	736,251			181,051
Toronto.....		8,706		
Montreal.....	51,648,084	7,006,636	6,127,124	1,115,154
Sorel.....	16,283,906	84,643	283,660	
Quebec.....	3,777,219	33,035	37,507	17,132
St. John.....	1,069,093			
West St. John.....	9,690,731	252,899	314,075	
Halifax.....	2,077,664	66,978		
Total—Canadian ports.....	144,999,058	10,326,353	6,768,824	1,313,337
New York.....	20,855,914	282,000	33,000	150,732
Albany.....	2,993,150		14,235	81,425
Boston.....	2,220,371			
Philadelphia.....	893,000			
Baltimore.....	852,000			
Norfolk.....	395,000			
Total—U.S.A. ports.....	28,209,435	282,000	47,235	232,157
Grand Total.....	173,208,493	10,608,353	6,816,059	1,545,494



## IMPORTS INTO U.S.A. OF CANADIAN WHEAT—U.S.A. OFFICIAL FIGURES

	For Home Consumption Duty-Paid	For Milling in Bond	Total
	bush.	bush.	bush.
August, 1935.....	2,570,105	1,045,428	3,615,533
September.....	3,644,294	697,935	4,342,229
October.....	5,323,936	1,258,735	6,582,671
November.....	4,347,771	1,193,016	5,540,787
December.....	4,321,154	781,074	5,102,228
January, 1936.....	2,231,000	851,016	3,082,016
February.....	2,398,104	875,141	3,273,245
March.....	2,673,208	1,224,682	3,897,890
April.....	1,535,558	1,053,397	2,588,955
May.....	1,627,044	1,214,107	2,841,151
June.....	3,028,339	1,093,956	4,122,295
July.....	4,477,106	1,006,139	5,483,245
Total.....	38,177,619	12,294,626	50,472,245

At the conference on Agricultural Statistics held in Ottawa, March 30 to April 2 last, one of the important items under consideration was the necessity of securing and publishing accurate data as to the final disposition, by countries where consumed, of exports of Canadian grain. The Customs returns are inadequate owing to the large shipments to U.S.A. lake ports shortly before the close of navigation to provide for exporters' requirements during the winter season being classified as exports, mostly to the United Kingdom. Further, the totals for several months in the year differ widely from figures published as "Export Clearances" which are compiled from elevator returns showing actual cargoes loaded at Canadian ports, plus U.S.A. official returns of loadings at U.S.A. seaboard ports and imports for home consumption, duty-paid, or for milling in bond.

The work undertaken by the Board of Grain Commissioners Statistics Branch in tracing the ports of unloading of all cargoes shipped from Canadian ports was not complete in that the later distribution from the ports of unloading such as Antwerp, Rotterdam, etc., to internal European countries was not obtained, nor did such tracing include shipments routed to and via the U.S.A.

Resolutions were drawn up and submitted by a sub-committee and adopted by the Conference that the Board of Grain Commissioners undertake the problem of tracing through to final disposition all exports of Canadian grain and the figures be made available for publication with the least possible delay.

Before leaving Ottawa, the matter was laid before Mr. L. D. Wilgress, Director of the Commercial Intelligence Service, and he kindly offered the full support of the Trade Commissioners. A statement of requirements with drafts of report forms and lists of cargoes loaded at Canadian ports were sent to Mr. Wilgress so that he could issue the necessary instructions to Trade Commissioners. Since then lists have been forwarded direct to the Trade Commissioners. They are sending reports weekly and co-operating to the fullest possible extent. The value of this service can be seen from the following figures showing the distribution of Canadian wheat unloaded at Antwerp and Rotterdam respectively which, under the previous system, would have been shown as imported into Belgium and Holland respectively.

CANADIAN WHEAT UNLOADED AT ANTWERP AND ROTTERDAM FROM APRIL  
TO THE END OF OCTOBER AND DISTRIBUTION THEREOF

ANTWERP		ROTTERDAM	
	bush.		bush.
Total unloaded.....	12,265,594	Total unloaded.....	8,621,895
Used in Belgium.....	10,810,468	Used in Holland.....	6,236,587
Shipped to France.....	215,677	Shipped to Belgium.....	269,671
Shipped to Germany.....	4,043	Shipped to Denmark.....	58,850
Shipped to Holland.....	229,654	Shipped to Finland.....	34,046
Shipped to Switzerland.....	1,005,752	Shipped to Germany.....	70,963
		Shipped to Great Britain....	817
		Shipped to Morocco.....	368
		Shipped to Norway.....	5,512
		Shipped to Palestine.....	6,158
		Shipped to Switzerland.....	849,259
		Still stored in Rotterdam...	1,089,664

Early experience in the tracing through to final disposition of export grain has indicated there are a great number of problems to meet before final success can be achieved. Grain imported by internal European countries is not all moved by the same route. The grain is handled through a number of ports widely separated and, in addition, imports by countries situated on the seaboard are often made in coastwise tonnage from ports in other European countries. Difficulties which cannot, under present conditions, be overcome are the result of legislation prohibiting any information whatever being furnished as to the disposal of imported grain once it has been unloaded at the ports of arrival.

Hitherto, details of cargoes of Canadian grain loaded at U.S.A. seaboard ports were not available. In order to secure this a visit was paid by Commissioner C. M. Hamilton, the Secretary and the Statistician to Buffalo and New York in May. Following this visit a formal application was addressed to the New York Produce Exchange. As a result arrangements were made for records of each cargo or parcel loaded to be supplied to this office. In addition to providing necessary details to facilitate the tracing of disposition, these lists enable more complete statistics of the movement of Canadian grain overseas to be available for publication and for the use of the Department of National Revenue.

Another result of the conference at Ottawa was a resolution requiring the Board to secure figures representing grain in transit by rail for inclusion in the weekly published statements of Canadian grain in store, afloat and in transit at all points in North America. The hearty co-operation of the railways was secured and the addition of these figures makes the visible supply weekly statements more complete and of greater value to the trade.

Owing to numerous requests coming to hand periodically for information as to the disposition and grades of barley exported, another mimeographed statement was added to the set released on Tuesdays, in which all details are shown.

## TRANSPORTATION

The lake freight rates for grain throughout the 1936 season of navigation indicate the same lack of uniformity which marked the two previous seasons. Weighted averages of rates charged, monthly, to the end of August on shipments to Montreal, Sorel and Quebec are as follows:—

	May	June	July	August
To Montreal—All routes.....	5.57c.	3.817c.	4.753c.	3.752c.
Sorel —All routes.....	5.278	4.116	4.961	3.965
Quebec —All routes.....			5.0	

On the ocean the situation was entirely different. A much freer movement of commodities reduced the volume of tonnage available for grain and rates rose generally on all ocean routes.

Rates from St. Lawrence ports to Great Britain averaged approximately as follows:— May and June  $6\frac{3}{4}$ c.; July and August  $7\frac{1}{4}$ c.; September  $7\frac{1}{2}$ c.; October and November  $8\frac{1}{4}$ c. and December 9c. per bushel of wheat.

From Vancouver the rate opened in January, 1936, at 22/- per ton (2240 lbs.) to British ports, but after mid-January declined steadily until the last part of March when it reached the minimum of 17/6 per ton. From then until the end of August there was little change. In September the possibility of a strike of longshoremen on the U.S.A. Pacific coast created some uneasiness and rates rose to 21/6 by the end of the month. The demand for berth parcel space was small until the third week in October when rates rose to 25/-, only to recede as soon as the immediate demand fell off, 21/- being the rate at the end of the month. Early in December a large volume of tonnage had been chartered for grain shipments from Argentina and Australia to take care of heavy shipments expected. Consequently a steady rise in the rate from Vancouver occurred until 30/6 was reached, where it continued, with little variation, for the balance of the month.

#### PORT CHURCHILL

During August, September and October, 1935, 8 vessels were loaded with a total of 2,407,000 bus. of wheat. This compares with 15 vessels in 1934 loaded with 4,049,877 bus. wheat and 4,635 bus. oats.

#### OFFICIAL WEIGH-UP OF GRAIN IN ELEVATORS

Following the annual weighing of stocks of grain stored in public, semi-public and private terminal elevators in the Western Division, detailed statements of the overages and shortages, by grades, were prepared and submitted to the Board. In addition statements "B" showing the amounts of excess or deficiency in the first four statutory grades of wheat in semi-public terminal elevators and of each individual grade of grain in public terminal elevators were compiled in the manner prescribed by section 138, Canada Grain Act.

No excess due to the Crown was revealed by these calculations.

Summaries of the results of the weigh-up are appended.

#### GENERAL

In compliance with section 102, Canada Grain Act, certified copies of all insurance policies covering the value of grain in store in public and semi-public elevators were filed. These were carefully scrutinized to ensure their being in accordance with the Act. Values of grain in store in public and semi-public terminal elevators are calculated week by week and compared with the amount of insurance reported as in force to verify the amount as being sufficient. Values of grain stored in public country elevators where specific policies are in effect are calculated regularly so that should the total insurance appear insufficient to fully cover the value of the grain licensees are immediately instructed to place additional insurance unless the increase has taken place in the interim.

As required under section 21, Canada Grain Act, copies of publications containing prices of grain at certain principal markets have been obtained and placed on file for reference. Permanent records of daily quotations for cash and futures prices at Winnipeg, Vancouver, Liverpool, and other principal markets are maintained and monthly averages of the daily quotations calculated.

Copies of charter confirmations covering lake shipments of grain from Fort William-Port Arthur were filed by shippers in accordance with the Inland Water Freight Rates Act, 1923, as amended. These were carefully checked against official records of actual shipments and used in the compilation of weighted averages of freight rates charged for the carriage of grain via different routes, monthly, during the year.

Respectfully submitted,

E. A. URSELL,

*Statistician.*

Fort William, Ontario, 18th January, 1937.



—		Wheat	Oats	Barley	Flaxseed	Rye	Corn	Buckwheat	Mixed grain
		bush.	bush.	bush.	bush.	bush.	bush.	bush.	pounds
<i>Exported Overseas—</i>									
From Montreal.....		51,648,084	7,006,636	6,127,124	.....	1,115,155	.....	213,516	.....
Sorel.....		16,283,906	84,643	283,660	.....	.....	.....	.....	.....
Quebec.....		3,777,219	33,035	37,507	.....	17,132	.....	.....	.....
Halifax.....		2,077,664	66,978	.....	.....	.....	.....	.....	.....
St. John.....		1,069,093	.....	.....	.....	.....	.....	.....	.....
West St. John.....		9,690,731	252,899	314,075	.....	.....	.....	64,095	.....
Toronto.....		.....	8,706	.....	.....	.....	.....	.....	.....
Total.....		84,546,697	7,452,897	6,762,366	.....	1,132,287	.....	277,611	.....
<i>Shipped to U.S.A. Atlantic Seaboard Ports—(for Export)</i>									
From Collingwood.....		76,000	.....	.....	.....	.....	.....	.....	.....
Depot Harbour.....		298,000	.....	.....	.....	.....	.....	.....	.....
Goderich.....		76,000	.....	.....	.....	.....	.....	.....	.....
Kingston.....		4,900	.....	.....	.....	.....	.....	.....	.....
Midland.....		279,000	.....	.....	.....	.....	.....	.....	.....
Owen Sound.....		202,586	.....	.....	.....	.....	.....	.....	.....
Port Colborne.....		454,480	.....	.....	.....	.....	.....	.....	.....
Port McNicoll.....		248,000	.....	.....	.....	.....	.....	.....	.....
Sarnia.....		290,094	.....	.....	.....	.....	.....	.....	.....
Tiffin.....		752,800	.....	.....	.....	.....	.....	.....	.....
Total.....		2,681,860	.....	.....	.....	.....	.....	.....	.....
<i>Shipped to U.S.A. Domestic Ports—</i>									
From Georgian Bay Ports.....		895,551	.....	167,089	.....	.....	.....	.....	.....
Lower Lake Ports.....		725,981	.....	104,617	.....	.....	.....	.....	.....
St. Lawrence Ports.....		114,642	.....	.....	.....	.....	.....	.....	.....
Total.....		1,736,174	.....	271,706	.....	.....	.....	.....	.....
<i>Shipped to Canadian Domestic Ports—</i>									
From Georgian Bay Ports.....		2,521,622	283,724	113,215	.....	7,815	2,500	.....	.....
Lower Lake Ports.....		1,355,337	537,314	284,063	.....	60,706	398,714	.....	.....
St. Lawrence Ports.....		672,197	1,718,359	1,450,998	.....	38,908	37,742	7,027	.....
Atlantic Seaboard Ports.....		11,062	16,569	.....	.....	.....	.....	.....	.....
Total.....		4,560,818	2,555,966	1,848,276	.....	107,519	438,956	7,027	.....
<i>Shipped to Canadian Mills—</i>									
From Georgian Bay Ports.....		9,114,658	3,876,742	184,685	96,565	40,666	5,925	.....	.....
Lower Lake Ports.....		8,320,396	301,066	463,890	67,124	148,000	41,009	.....	.....
St. Lawrence Ports.....		3,963,101	482,362	378,332	327,637	10,150	77,838	2,158	556,688
Atlantic Seaboard Ports.....		4,282	29,275	.....	.....	.....	.....	.....	.....
Total.....		21,402,437	4,689,445	1,026,907	491,326	198,816	124,772	2,158	556,688
Grand total exported or moved into consumptive channels.....		114,927,986	14,698,308	9,909,255	491,326	1,438,622	563,728	286,796	556,688

Georgian Bay elevators include Goderich and Sarnia; Lower Lake elevators comprise Port Colborne, Toronto, Kingston and Prescott; St. Lawrence elevators comprise Montreal, Sorel and Quebec.

DISTRIBUTION OF SHIPMENTS OF UNITED STATES GRAIN FROM EASTERN  
ELEVATORS, CROP YEAR 1935-36 (ENDED JULY 31)

	United States Oats	United States Barley	United States Corn	United States Beans
	bush.	bush	bush.	bush.
<i>Exported Overseas—</i>				
From Montreal.....		189,170		2,728,229
Sorel.....				511,467
Total.....		189,170		3,239,696
<i>Shipped to U.S.A. Domestic Points—</i>				
From Georgian Bay ports.....	29,967		2,395,694	
Lower Lake ports.....			112,634	
St. Lawrence ports.....				
Total.....	29,967		2,508,328	
<i>Shipped to Canadian Domestic Points—</i>				
From Georgian Bay ports.....			2,008	
Lower Lake ports.....			1,500	
St. Lawrence ports.....				
Total.....			3,508	
<i>Shipped to Canadian Mills—</i>				
From Georgian Bay ports.....	358,805		89,899	
Lower Lake ports.....			8,099	
St. Lawrence ports.....				
Total.....	358,805		97,998	
Grand Total exported or moved into consumptive channels.....	388,772	189,170	2,609,834	3,239,696

DISTRIBUTION OF SHIPMENTS OF FOREIGN GRAIN (OTHER THAN U.S.A. GRAIN)  
FROM EASTERN ELEVATORS, CROP YEAR 1935-36 (ENDED JULY 31)

	Corn	Flaxseed	Rye
	bush.	bush.	bush.
<i>Exported Overseas.....</i>			
<i>Shipped to U.S.A. Domestic Points—</i>			
From Montreal—Argentine.....	2,973,511	451,664	
South African.....	134,000		
Lower Lake ports—Argentine.....			1,005
Georgian Bay ports—South African.....	2,928		
Total.....	3,110,439	451,664	1,005
<i>Shipped to Canadian Domestic Points—</i>			
From Halifax—Argentine.....	20,009		
South African.....	322,662		
St. Lawrence ports—Argentine.....	410,022		
South African.....	1,440,237		
Lower Lake ports—Argentine.....	1,500		
South African.....	56,562		
Total.....	2,250,992		
<i>Shipped to Canadian Mills—</i>			
From Halifax and St. John—Argentine.....	53,138		
South African.....	543,775		
St. Lawrence ports—Argentine.....	759,855	526,521	
South African.....	640,072		
Lower Lake ports—Argentine.....	238,062		
South African.....	1,153,721		
Georgian Bay ports—Argentine.....		39,970	
South African.....	166,172		
Total.....	3,554,795	566,491	
Grand Total exported or moved into consumptive channels.....	8,916,226	1,018,155	1,005





ANNUAL WEIGH-UP—31ST JULY, 1936—*Con.*

SUMMARY of results of calculations of EXCESS or DEFICIENCY in the first four statutory grades of WHEAT as revealed by the annual weigh-up, July 31, 1936 of grain in store in SEMI-PUBLIC TERMINAL ELEVATORS, FORT WILLIAM-PORT ARTHUR, and arrived at in the manner prescribed in Section 138, Canada Grain Act 1930 and amendments thereto

LICENSEE	EXCESS			DEFICIENCY			
	1 Hard	1 Northern	2 Northern	3 Northern	1 Northern	2 Northern	3 Northern
	bush.	bush.	bush.	bush.	bush.	bush.	bush.
Bawlf Terminal Elevator Co., Ltd.....					291-50	2,056-40	266-00
Canadian Consolidated Grain Co., Ltd.—							
“Empire”			37-30		665-50	1,382-50	94-00
“Thunder Bay”					753-40	1,001-30	167-10
Eastern Terminal Elevator Co., Ltd.—							
“Richardson”					456-50	3,305-00	4,647-50
Federal Grain Limited—							
“Consolidated”					259-30	3,066-20	299-40
“Northwestern”					1,120-10	6,151-20	3,097-00
“Stewart”					167-40	75-50	1,661-00
Fort William Elevator Co., Ltd.....					336-50	400-40	122-50
Grand Trunk Pacific Elevator Co., Ltd.....					394-40		19,141-00
Manitoba Pool Elevators Ltd.—		8,293-10					
“Terminal No. 1”					1,111-10	583-00	144-20
“Terminal No. 2”			408-00		409-00	1,896-10	1,420-50
McCabe Bros. Grain Co., Ltd.....					164-00	3,490-00	132-50
Northland Elevator Co., Ltd.—							
“B & E”							
“D”					19-00	3,066-40	3-40
Ogilvie Flour Mills Co., Ltd.....					50-40	14,564-20	342-00
N. M. Paterson & Co., Ltd.....			79-40		184-50	9,308-00	
Reliance Grain Co., Ltd.....					129-10	656-40	2,314-50
Saskatchewan Pool Terminals Ltd.—					330-00	5,098-20	1,467-40
“Terminal No. 4”		3,516-00			196-10		2,943-40
“Terminal No. 5”					9-20	4,576-50	
“Terminal No. 6”					94-00	7,536-20	3,064-50
“Terminal No. 7”					1,383-20	2,295-20	5,541-50
Scarle Terminal Limited					1,642-30	16,157-00	6,079-50
Superior Elevator Co., Ltd.—“P. & H.”						4,892-00	241-40
Union Terminal Limited	4,785-10	44-50		1,257-50	124-10		
United Grain Growers Terminals Limited				403-40	2,711-20	2,425-40	
Western Grain Co., Limited					303-20	8,459-20	1,497-50

There is no excess due to the Crown from any of the above elevators.

ANNUAL WEIGH-UP—31st JULY, 1936—*Cont.*

SUMMARY of results of calculations of EXCESS or DEFICIENCY in the first four statutory grades of WHEAT as revealed by the annual weigh-up, 31st July, 1936, of grain in store in SEMI-PUBLIC TERMINAL ELEVATORS, VANCOUVER-NEW WESTMINSTER, PRINCE RUPERT, CHURCHILL, NORTH TRANSCONA and CALGARY, and arrived at in the manner prescribed in section 138, Canada Grain Act, 1930, and amendments thereto.

LICENSEE	EXCESS			DEFICIENCY				
	1 Hard	1 Northern	2 Northern	3 Northern	1 Hard	1 Northern	2 Northern	3 Northern
<i>Vancouver-New Westminster—</i> Alberta Wheat Pool, Elevator No. 1.....	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.
Alberta Wheat Pool, Elevator No. 2.....					2,912-40	1,541-20	940-10	1,610-00
Columbia Grain Elevator Co., Ltd.....	872-50		3,024-20		470-50	1,139-00	683-40	985-30
Midland Pacific Terminal Limited.....						6,697-10		8,071-40
Pacific Elevators Ltd., Elevator "B".....					480-30	1,849-20	953-20	46-10
Searle Terminal Limited.....			3,326-50		1,525-40	13,697-00	729-00	6,041-00
United Grain Growers Terminals, Ltd.....		2,364-00	1,571-30		1,211-10	242-50		5,023-30
<i>Prince Rupert—</i> Alberta Wheat Pool.....			32-10		264-20			9,834-10
<i>Churchill—</i> Hudson Bay Railway Terminals Elevator.....					252-10	392-30		1,531-10
<i>North Transcona—</i> Eastern Terminal Elevator Co., Ltd.....		2,262-40		4,330-30	21-00		9,458-10	
<i>Calgary—</i> Alberta Pacific Grain Co., Ltd., Elevator No. 2.....					-20	214-40	16-50	11-50
							12-00	403-50

There is no excess due to the Crown from any of the above elevators.

## APPENDIX No. 3

## COMMITTEES ON GRAIN STANDARDS

## COMMITTEE ON WESTERN GRAIN STANDARDS

E. B. Ramsay, Chief Commissioner, Board of Grain Commissioners.  
 D. A. MacGibbon, Commissioner, Board of Grain Commissioners.  
 C. M. Hamilton, Commissioner, Board of Grain Commissioners.  
 J. D. Fraser, Chief Inspector, Board of Grain Commissioners.  
 James Cuddy, Chairman, Grain Appeal Tribunal, Winnipeg.  
 C. R. Manahan, Chairman, Grain Appeal Tribunal, Edmonton.  
 Dr. W. F. Geddes, Chemist in charge, Grain Research Laboratory.  
 L. H. Newman, Dominion Cerealists.  
 H. Sellers, representing millers of wheat flour.

George Bennett,	}	representing Grain Growers in Alberta.
W. H. Fairfield,		
R. H. MacDonald		
B. S. Plumer,		
Dean A. E. Shaw,	}	representing Grain Growers in Saskatchewan.
J. Wellbelove,		
A. E. Wilson,		
G. E. Canfield,		
A. Sproule,		
P. F. Bredt,	}	representing Grain Growers in Manitoba.
Dr. G. P. McRostie,		
J. Quick,		

K. Campbell, representing Grain Growers in British Columbia.

## COMMITTEE ON EASTERN GRAIN STANDARDS

D. A. MacGibbon, Commissioner, Board of Grain Commissioners.  
 C. M. Hamilton, Commissioner, Board of Grain Commissioners.  
 Norman Wight, representing Montreal Board of Trade.  
 E. D. Sullivan, representing Toronto Board of Trade.  
 T. A. Climo, representing Exporters of Grain.

C. H. G. Short,	}	representing Millers of Wheat in the Eastern Division
J. J. Page,		
H. A. Gilroy,	}	representing Grain Growers in Ontario.
H. Currie,		

W. G. Thompson, additional.  
 J. M. Vittie, additional.  
 G. E. McConney, additional.



## APPENDIX No. 4

## GRAIN APPEAL TRIBUNALS

<i>Winnipeg</i>	<i>Calgary</i>	<i>Edmonton</i>
James Cuddy (Chairman).	J. Watson (Chairman).	C. C. Manahan (Chairman).
Grant Hammond.	C. Floyd.	J. W. Allen.
J. McMahon.	F. T. Allison.	W. N. Boyle.
A. F. Moore.	J. A. Harris.	A. Fraser.
J. Murray.	W. McLeod.	C. C. Gillies.
S. C. Swanton.	E. J. Munson.	J. A. Kyle.
C. J. Wells.	A. Pierson.	L. T. Ingram.
P. V. Wright.	C. W. Roenish.	R. H. Settle.
Vacant (Secretary).	W. E. Bray (Secretary).	F. J. Wolfe.
		John Blue (Secretary).

<i>Toronto</i>	<i>Montreal</i>
G. D. Brundrit.	C. B. Esdaile (Chairman).
C. H. Coatsworth.	B. J. Bolan.
R. C. Pratt.	A. Chaplin.
N. H. Campbell.	F. B. Earle.
C. W. Heimbecker.	R. Hume.
L. S. Johnston.	
W. N. McCarthy.	
G. E. McConney.	
E. D. Sullivan.	
K. F. Wadsworth.	

## SUMMARY OF APPEALS FOR THE CROP YEAR ENDED JULY 31, 1936

	Number of appeals held	Number of appeals allowed		Number of appeals dis- allowed
		Raised	Lowered	
Winnipeg.....	644	94	2	548
Calgary.....	1,004	204	15	785
Edmonton.....	548	72	3	473
Toronto.....	1			1
Montreal.....				

## APPENDIX No. 5

### REPORT OF REGISTRAR

WINNIPEG, MAN., December 31, 1936.

THE SECRETARY,

Board of Grain Commissioners for Canada,  
Winnipeg, Man.

DEAR SIR,—There is submitted hereunder statement showing the total registrations and registrations for cancellation of terminal elevator warehouse receipts and Eastern warehouse receipts or transfer receipts during the crop year ended August 31, 1936:—

	Bushels Registered	Bushels Registered for Cancellation
<i>Winnipeg—</i>		
Wheat.....	149,386,730-40	172,452,392-50
Oats.....	14,508,201-06	17,991,788-15
Barley.....	14,424,968-10	12,128,165-20
Flax.....	601,037-50	703,706-41
Rye.....	3,040,848-06	3,818,103
Mixed grain.....	95,378-20	68,269-30
Corn.....	59,259	59,271-54
Barley malt.....	180,104-06	180,104-06
<i>Vancouver—</i>		
Wheat.....	58,024,039-50	59,355,788-40
Oats.....	2,996,550-28	2,630,558
Barley.....	444,738-16	444,460-18
Flax.....	1,577-13	1,189-46
Rye.....	20,293-22	42,612-18
Mixed grain.....	12,729-10	1,360-40
Corn.....	29,327-48	23,899-06
<i>Calgary—</i>		
Wheat.....	2,045,311-30	2,285,953-20
Oats.....	943,656-06	487,143-08
Barley.....	91,323-16	86,200-10
Mixed grain.....	1,064-30	2,424-30
<i>Edmonton—</i>		
Wheat.....	2,007,839-40	2,078,145-10
Oats.....	173,158-28	156,582-28
Barley.....	83,196-12	26,306-42
Mixed grain.....	295-40	9,801-40
Corn.....	211-14	196-24
<i>Lethbridge—</i>		
Wheat.....	687,280-50	1,205,113-10
Oats.....	114-14	232-32
<i>Moose Jaw—</i>		
Wheat.....	190,908-40	188,618-20
Oats.....	10,756-06	11,872-18
Barley.....	15,969-28	14,054-18
Flax.....	988-26	988-26
<i>Saskatoon—</i>		
Wheat.....	113,539-40	112,947-40
Oats.....	7,950-10	11,941
Barley.....	2,416-32	2,416-32
Flax.....	383-18	.....

REPORT OF REGISTRAR—*Conc.*

	Bushels Registered	Bushels Registered for Cancellation
<i>Total—</i>		
Wheat.....	212,455,650-50	237,678,959-10
Oats.....	18,640,387-30	21,290,118-33
Barley.....	15,062,612-18	12,701,603-44
Flax.....	603,986-51	705,885-01
Rye.....	3,061,141-28	3,860,715-18
Mixed grain.....	109,468	81,856-40
Corn.....	88,798-06	83,367-28
Barley malt.....	180,104-06	180,104-06

## EASTERN WAREHOUSE RECEIPTS OR TRANSFER RECEIPTS

<i>Montreal—</i>		
Wheat.....	144,293,085-20	180,576,068-20
Oats.....	20,809,570-15	19,888,343-33
Barley.....	14,409,571-11	14,579,103-06
Flax.....	1,804,372-10	1,665,088-24
Rye.....	2,062,086-20	2,070,283-12
Buckwheat.....	265,050	265,050
Corn.....	10,463,967	12,036,856-54
Screenings.....	422,094-16	553,451-32
Beans.....	3,549,553-10	3,549,553-10

Yours respectfully,

W. T. TODD,

*Registrar.*

## APPENDIX No. 6

## REPORT OF CHIEF INSPECTOR OF GRAIN

WINNIPEG, MAN., November 21, 1936.

THE SECRETARY,

Board of Grain Commissioners,  
Winnipeg, Man.

DEAR SIR,—I herewith submit my annual report covering car and cargo inspections in the Western Division, also the car and cargo inspections and sampling in the Eastern Division, for the crop year ending July 31, 1936.

The prospects for the crop all over the West were good up to the month of July. During this month, however, a severe epidemic of rust, together with intense heat and dry weather, took a very heavy toll, both as to quantity and quality, of all grains in the Central and Southern portions of the Prairie Provinces, resulting in the shortest crop since the year 1919.

The establishment of "Special Grades" was found necessary, to take care of the rusted wheats.

Fine weather was experienced during the Fall, and the crop was harvested in good condition, there being a very small percentage of tough grain.

Total number of cars inspected in the Western Division for the year 1935-36 was 178,011 as against 179,191 for the previous year.

Yours truly,

JAS. D. FRASER,

*Chief Inspector.*



## WESTERN DIVISION

The total primary inspections in the Western Division from August 1, 1935, to July 31, 1936, are made up as follows:—

	Cars	Per-centage
Wheat.....	152,545	85.694
Oats.....	13,128	7.375
Barley.....	10,032	5.636
Flaxseed.....	814	.457
Rye.....	1,409	.791
Mixed grain.....	65	.037
Corn.....	8	.004
Screenings.....	10	.006
Total.....	178,011	100.000

The grades of Wheat are as follows:—

	Cars	Per-centage	Totals	Percentage of total Inspections
1 Manitoba Hard.....	4,526	3.211		
1 Manitoba Northern.....	29,961	21.260		
2 Manitoba Northern.....	19,899	14.120		
3 Manitoba Northern.....	20,246	14.367		
4 Manitoba Northern.....	17,143	12.165		
No. 5.....	11,728	8.322		
No. 6.....	7,765	5.510		
Feed.....	10,215	7.249		
Sample.....	55	.039		
Smutty.....	703	.500		
Tough.....	6,721	4.769		
Damp.....	642	.456		
Rejected.....	349	.248		
No. 4 Special.....	5,067	3.595		
No. 5 Special.....	3,105	2.203		
No. 6 Special.....	2,799	1.986		
Total Red Spring Wheats.....	140,924	100.000	140,924	92.382
1 Garnet.....	266	11.600		
2 Garnet.....	1,315	57.349		
Smutty Garnet.....	5	.218		
Tough Garnet.....	701	30.571		
Damp Garnet.....	4	.175		
Rejected Garnet.....	2	.087		
Total Garnet Wheat.....	2,293	100.000	2,293	1.503
1 Amber Durum.....	489	5.516		
2 Amber Durum.....	1,132	12.768		
3 Amber Durum.....	3,161	35.653		
4 Amber Durum.....	1,804	20.347		
5 Amber Durum.....	850	9.587		
6 Amber Durum.....	604	6.813		
Smutty Amber Durum.....	72	.812		
Tough Amber Durum.....	462	5.211		
Damp Amber Durum.....	4	.045		
Rejected Amber Durum.....	286	3.226		
Amber Durum and Ragweed.....	1	.011		
Sample Amber Durum.....	1	.011		
Total Amber Durum Wheat.....	8,866	100.000	8,866	5.812
1 White Spring.....	4	16.000		
2 White Spring.....	13	52.000		
3 White Spring.....	5	20.000		
Smutty White Spring.....	2	8.000		
Rejected White Spring.....	1	4.000		
Total White Spring Wheat.....	25	100.000	25	.016

The grades of Wheat are as follows:—*Concluded.*

	Cars	Per- centages	Totals	Percentage of total Inspections
1 Mixed Wheat.....	6	8.108		
2 Mixed Wheat.....	2	2.703		
3 Mixed Wheat.....	8	10.811		
4 Mixed Wheat.....	42	56.756		
5 Mixed Wheat.....	2	2.703		
6 Mixed Wheat.....	2	2.703		
Tough Mixed Wheat.....	4	5.405		
Smutty Mixed Wheat.....	4	5.405		
Rejected Mixed Wheat.....	2	2.703		
Sample Mixed Wheat.....	2	2.703		
Total Mixed Wheat.....	74	100.000	74	.049
1 Alberta Red Winter.....	84	23.141		
2 Alberta Winter.....	100	27.548		
3 Alberta Winter.....	50	13.774		
Tough Alberta Winter.....	3	.826		
Damp Alberta Winter.....	2	.551		
Smutty Alberta Winter.....	124	34.160		
Total Alberta Winter Wheat.....	363	100.000	363	.238
Total.....	152,545		152,545	100.000

The grades of Oats are as follows:—

	Cars	Percentages
1 C.W.....	9	.069
2 C.W.....	1,171	8.920
3 C.W.....	3,592	27.361
Special Feed.....	54	.411
Ex. 1 Feed.....	1,059	8.067
1 Feed.....	4,283	32.625
2 Feed.....	1,788	13.620
3 Feed.....	117	.891
Mixed Feed Oats.....	29	.221
Rejected Oats.....	14	.107
Sample.....	9	.069
Tough.....	966	7.357
Damp.....	37	.282
Total.....	13,128	100.000

The grades of Barley are as follows:—

	Cars	Percentages
2 C.W. (six row).....	45	.449
3 Ex. C.W. (six row).....	3,012	30.024
2 C.W. (two row).....	13	.130
3 Ex. C.W. (two row).....	122	1.216
2 C.W. Trebi.....	1	.010
3 Ex. C.W. Trebi.....	11	.110
3 C.W.....	1,722	17.165
4 C.W.....	1,069	10.656
5 C.W.....	1,787	17.813
6 C.W.....	534	5.322
Rejected.....	8	.080
Sample.....	1	.010
Tough.....	1,688	16.826
Damp.....	19	.189
Total.....	10,032	100.000

The grades of Flax are as follows:—

	Cars	Percentages
1 C.W.....	710	87.223
2 C.W.....	61	7.494
3 C.W.....	22	2.703
Sample.....	2	.246
Tough.....	17	2.088
Damp.....	2	.246
Total.....	814	100.000

The grades of Rye are as follows:—

	Cars	Percentages
1 C.W.....	7	.497
2 C.W.....	445	31.582
3 C.W.....	691	49.042
4 C.W.....	8	.568
Ergoty Rye.....	41	15.117
Rejected.....	2	2.910
Tough.....	213	.142
Damp.....	1	.071
Sample.....	1	.071
Total.....	1,409	100.000

The grades of Mixed Grain are as follows:—

	Cars	Percentages
No. 1.....	20	30.769
No. 3.....	32	49.231
Tough.....	10	15.385
Damp.....	2	3.077
Sample.....	1	1.538
Total.....	65	100.000

The number of cars of grain inspected at the various points during the crop year August 1, 1935, to July 31, 1936.

	Cars	Percentages
Winnipeg.....	116,860	65.648
Calgary.....	26,681	14.988
Duluth.....	99	.055
Moose Jaw.....	5,546	3.115
Saskatoon.....	4,616	2.593
Medicine Hat.....	2,384	1.336
Lethbridge.....	731	.410
Vancouver.....	525	.294
Edmonton.....	18,910	10.629
Churchill.....	1,659	.932
Total.....	178,011	100.000



## SUMMARY OF CARS REINSPECTED

—	Winnipeg			Calgary		
Cars inspected.....	116,860			26,681		
Reinspections	Cars	Per cent	Per cent of total inspections	Cars	Per cent	Per cent of total inspections
Left as graded.....	18,739	67.19	16.03	2,503	66.76	9.38
Grades raised.....	6,821	24.46	5.84	688	18.35	2.57
Grades lowered.....	150	.54	.12	28	.75	.10
Dockage raised.....	177	.63	.15	59	1.58	.22
Dockage lowered.....	2,002	7.18	1.71	471	12.56	1.76
Totals.....	27,889	100.00	.....	3,749	100.00	.....

—	Edmonton			Saskatoon		
Cars inspected.....	18,910			4,616		
Reinspections	Cars	Per cent	Per cent of total inspections	Cars	Per cent	Per cent of total inspections
Left as graded.....	3,681	90.24	19.46	570	91.49	12.34
Grades raised.....	212	5.20	1.12	47	7.55	1.01
Grades lowered.....	51	1.25	.26	.....	.....	.....
Dockage raised.....	54	1.32	.28	5	.80	.10
Dockage lowered.....	81	1.99	.42	1	.16	.02
Totals.....	4,079	100.00	.....	623	100.00	.....

—	Moose Jaw			Medicine Hat		
Cars inspected.....	5,546			2,384		
Reinspections	Cars	Per cent	Per cent of total inspections	Cars	Per cent	Per cent of total inspections
Left as graded.....	728	87.71	13.12	92	77.96	3.86
Grades raised.....	91	10.96	1.64	16	13.56	.67
Grades lowered.....	9	1.09	.16	5	4.24	.21
Dockage raised.....	1	.12	.02	3	2.55	.12
Dockage lowered.....	1	.12	.02	2	1.69	.08
Totals.....	830	100.00	.....	118	100.00	.....

## RECAPITULATION OF REINSPECTIONS

—	Cars	Percentages	Percentage of total inspections
Left as graded.....	26,313	70.57	14.78
Grades raised.....	7,875	21.12	4.42
Grades lowered.....	243	.65	.13
Dockage raised.....	299	.80	.16
Dockage lowered.....	2,558	6.86	1.43
Totals.....	37,288	100.00	20.92
Total—			
Left as graded.....	26,313	14.78	.....
Changes.....	10,975	6.14	20.92

## TRADE AND COMMERCE

## SUMMARY OF CARS APPEALED

	Winnipeg		Calgary		Edmonton		Total	
	Cars	P.c.	Cars	P.c.	Cars	P.c.	Cars	P.c.
Left as graded.....	548	85.09	785	79.19	473	86.31	1,806	82.24
Grades raised.....	94	14.60	204	20.32	72	13.14	370	16.85
Grades lowered.....	2	.31	7	.70	.....	.....	9	.41
Dockage raised.....	.....	.....	8	.79	3	.55	11	.50
Dockage lowered.....	.....	.....	.....	.....	.....	.....	.....	.....
	644	.....	1,004	.....	548	.....	2,196	.....

## PERCENTAGE OF APPEALS TO TOTAL INSPECTIONS

	Cars	Percentages
Total inspections.....	178,011	100.000
Total appeals.....	2,196	1.233
Total grades changed.....	390	0.219

## BUSHEL OF GRAIN INSPECTED AND SHIPPED BY VESSEL, AUGUST 1, 1935, TO JULY 31, 1936

	Fort William and Port Arthur	Vancouver and New Westminster	Prince Rupert	Victoria	Churchill, Man.	Duluth and Superior
Wheat.....	182,839,421	57,356,578	.....	.....	2,407,000	.....
Oats.....	14,765,147	2,873,456	.....	.....	.....	.....
Barley.....	9,778,934	6,458	.....	.....	.....	.....
Flaxseed.....	536,723	.....	.....	.....	.....	.....
Rye.....	2,997,418	.....	.....	.....	.....	.....
Mixed grain.....	12,519	.....	.....	.....	.....	.....
Barley malt.....	230,114	.....	.....	.....	.....	.....
Oats groats.....	18,494	1,400	.....	.....	.....	.....
Screenings.....	1,903,556	.....	.....	.....	.....	.....

## CARS OF GRAIN INSPECTED AND SHIPPED BY RAIL EX TERMINAL ELEVATORS, AUGUST 1, 1935, TO JULY 31, 1936

	Churchill	Duluth	Fort William and Pt. Arthur	Winnipeg	Calgary	Moose Jaw	Saskatoon	Lethbridge	Vancouver	Edmonton
Wheat.....	.....	79	2,892	2,904	1,622	1,474	504	596	495	1,489
Oats.....	.....	.....	1,133	634	396	278	63	.....	184	324
Barley.....	.....	.....	179	1,192	306	27	4	.....	34	49
Flaxseed.....	.....	.....	69	1	1	2	.....	.....	.....	2
Rye.....	.....	.....	72	23	1	.....	.....	.....	26	.....
Mixed grain.....	.....	.....	21	30	30	.....	20	.....	.....	10
Corn.....	.....	.....	33	7	.....	.....	.....	.....	.....	.....
Screenings.....	1	.....	.....	180	215	26	194	7	588	20
Oats groats.....	.....	.....	40	.....	.....	.....	.....	.....	.....	.....
Totals.....	1	79	4,439	4,971	2,571	1,807	785	603	1,327	1,894

## EASTERN DIVISION

## TOTAL INSPECTIONS AUGUST 1, 1935, TO JULY 31, 1936

*Cargoes—*

## Grain grown in Eastern Division—

	Bushels	Bushels
At Toronto.....	166,418	
At Montreal.....	1,040,627	
		1,207,045

*Car Loads—*

## Grain grown in Eastern Division—

	Cars	Cars
At Toronto.....	2,363	
At Montreal.....	580	
		2,943

## GRAIN CARGOES SAMPLED BUT NOT INSPECTED, AUGUST 1, 1935, TO JULY 31, 1936

	Bushels	Bushels
Western grain.....	154,530,513	
Eastern grain.....	775,187	
African corn.....	3,920,735	
Argentine grain.....	7,879,482	
United States grain.....	5,897,089	173,003,006
At Montreal.....	136,569,168	
At Sorel.....	21,413,395	
At Quebec.....	3,786,095	
At St. John, N.B.....	8,937,870	
At Halifax, N.S.....	2,259,638	
At Toronto.....	36,840	
		173,003,006

## CAR LOADS SAMPLED BUT NOT INSPECTED, AUGUST 1, 1935, TO JULY 31, 1936

	Montreal cars	Toronto cars
Western grain.....	305	1
Eastern grain.....	126	
Argentine grain.....	1	
African grain.....	52	
	484	1

## GRADES OF CARGOES INSPECTED

*Grain grown in Eastern Division—*

## Wheat—

	Bushels
No. 3 Winter.....	41,029
No. 3 Red Winter.....	16,538
No. 2 Mixed Winter.....	52,633
Tough No. 3 Winter.....	9,990
Rejected No. 3 Winter.....	12,945
Tough No. 1 Commercial.....	12,000
Sample.....	7,999

## Oats—

No. 3 White.....	740,593
No. 4 White.....	173,933
Tough No. 3 White.....	3,900
Rejected Musty.....	14,970

## Buckwheat—

Tough No. 3.....	2,180
Damp No. 3.....	258

Mixed grain.....	118,077
------------------	---------



## GRADES OF CAR LOADS INSPECTED

	Toronto	Montreal	Total
<i>Wheat—</i>			
No. 2 Winter.....	12		12
No. 3 Winter.....	279	8	287
No. 4 Winter.....	148	7	155
Tough.....	253	12	265
Damp.....	7		7
Rejected.....	13	11	24
No. 2 Red Winter.....	16		16
No. 1 Mixed Winter.....	4		4
No. 2 Mixed Winter.....	226		226
No. 3 Mixed Winter.....	5		5
Rejected.....	1		1
No. 1 Commercial.....	33		33
No. 2 Commercial.....	2	1	3
Tough.....	72		72
Damp.....	1		1
<i>Oats—</i>			
No. 2 White.....	14	25	39
No. 3 White.....	176	162	338
No. 4 White.....	167	102	269
Tough.....	28	52	80
Damp.....	1		1
Rejected.....	6	13	19
<i>Barley—</i>			
Extra No. 3.....	47	2	49
No. 3.....	189	1	190
No. 4.....	23		23
Tough.....	2	1	3
Rejected.....	7		7
<i>Buckwheat—</i>			
No. 3.....		1	1
No. 4.....	2	2	4
Tough.....	52	110	162
Damp.....	8	34	42
Rejected.....	1		1
<i>Rye—</i>			
No. 2.....	12		12
<i>Corn—</i>			
No. 2 Yellow.....	186		186
No. 2 White.....	2		2
No. 3 Yellow.....	9	4	13
No. 2 Mixed.....	9	1	10
No. 3 Mixed.....	3		3
Tough.....	69		69
Damp.....	261		261
<i>Mixed grain.....</i>	17	31	48
	2,363	580	2,943

WESTERN GRAIN SAMPLED AT QUEBEC FOR REINSPECTION AT WINNIPEG,  
MANITOBA

<i>Wheat—</i>	Bushels	
No. 1 Manitoba Northern.....	16,211	
No. 2 Manitoba Northern (old grade).....	79,339	
No. 3 Manitoba Northern.....	39,787	
No. 4 Manitoba Northern.....	24,126	
No. 3 C.W. Amber Durum.....	37,656	
No. 4 Mixed Wheat.....	22,897	
No. 5 Mixed Wheat.....	31,676	
Feed Wheat.....	23,886	
		275,578
<i>Oats—</i>		
No. 2 Feed.....		59,242

## APPENDIX No. 7

## REPORT OF CHIEF WEIGHMASTER

J. RAYNER, Esq., Secretary,  
Board of Grain Commissioners,  
Winnipeg, Manitoba.

DEAR SIR,—I herewith submit my annual report for the crop year ending July 31, 1936.

This Branch supplied weighing services at all Public Terminal, Semi-Public Terminal and Private Terminal elevators licensed by the Board in the Western Division for the purpose of weighing all grains received into and shipped out of these elevators as required under Sections 91 and 123 of the Act.

Weighing services in the Eastern Division have been supplied on a fees basis, as in the past, at elevators licensed by the Board for the purpose of weighing car lots shipped out of elevators at the following points:—

Goderich Elevator.  
Western Canada Flour Mills Elevator, Goderich.  
Canada Steamship Lines Elevator, Midland.  
Midland Simcoe Elevator, Midland.  
Aberdeen Elevator, Midland.  
Great Lakes Elevator, Owen Sound.  
Canadian Pacific Railway Elevator, Port McNicoll.  
Sarnia Elevator, Sarnia.  
Toronto Elevator, Toronto.

Under my authority as Inspector of scales in terminal elevators, I conducted the annual inspection of scales in terminal elevators at the Head of the Lakes, the Interior Government Elevators, Canadian Government Elevator at Port Churchill, and those elevators at the Pacific Coast loading to deep sea vessels. I also made a semi-annual inspection of the scales located in the above elevators on behalf of the Board.

Scales and equipment for handling of grain before and after weighing in elevators where weighing services have been supplied have been kept in good condition.

The annual inspection of scales in the Eastern Division in elevators licensed by the Board was conducted by Mr. P. J. Marples of Montreal.

There were fewer complaints received than in previous years on cars unloaded at terminal elevators, and upon investigation, in the majority of cases it was found that cars had been reported leaking, pilfered en route, or grain doors not properly installed. In the past year there has been a very considerable amount of pilfering of grain from cars spotted on elevator tracks and in railway yards, in spite of the fact that the Terminal Elevator Companies and Railway Companies have engaged extra watchmen during the period when the movement of grain was heavy.

Reported shortages on the out-turn of vessels loaded at Port Arthur and Fort William during the crop year continue to vary in amount according to ports or elevators at which cargoes are discharged. Some unloading elevators continue from season to season to report very satisfactory out-turns, which indicates careful handling and weighing; while others invariably report serious shortages. Some American ports have reported very bad out-turns during the year. It will be noted from the enclosed statements that while there was a slight decrease in the average reported shortage of pounds per 1,000 bushels of wheat going to Canadian ports compared to last year, there was an increase of

10 pounds in the average reported shortage of pounds per 1,000 bushels of wheat going to American ports.

Any complaints received on deep sea shipments have been investigated and report submitted to the Board.

The stocks of grain in store in the elevators licensed by the Board in the Western Division as public terminal and semi-public terminal elevators, and the top four grades of wheat in the elevators licensed as private terminal elevators, were weighed over at the end of the crop year. Approximately 50,571,412 bushels of all grain were weighed over, and statements of the correct quantities of the various grades were prepared and forwarded to the Board to permit of the adjustment of outstanding warehouse receipts in public and semi-public terminal elevators, and the establishment of overages in terminal elevators in accordance with the provisions of Section 138 of the Canada Grain Act.

Attached are statements giving particulars of the various phases of the work of this Branch.

Respectfully submitted,

S. M. CAPON,

*Chief Weighmaster.*

FORT WILLIAM, ONT., December 8, 1936.

Following are the quantities of the various grains which were weighed into and out of elevators at the following points in the Western Division during the crop year ending July 31, 1936.

#### FORT WILLIAM-PORT ARTHUR

##### RECEIPTS

Grain	Receipts from West	Transfer Receipts		Total
		Rail	Vessel	
	bush.	bush.	bush.	bush.
Wheat.....	135,742,187-20	3,614,210-00	4,164,676-30	143,521,073-50
Oats.....	13,270,101-18	1,015,773-28	17,464-04	14,303,339-16
Barley.....	10,126,104-42	98,090-10	273,972-04	10,498,167-08
Flaxseed.....	699,016-01	8,015-50		707,031-51
Rye.....	1,855,690-28	265,688-11	879,365-30	3,000,744-13
South African Corn (ex vessel).....	24,851-28			24,851-28
Canadian Corn.....	618-02			
Canadian Corn (ex vessel).....	15,113-42	15,096-54		30,828-42
	pounds	pounds	pounds	pounds
Mixed grain.....	4,702,740	116,120		4,818,860
Mixed feed oats groats.....				
All screenings.....	4,538,030	7,259,040		11,797,070
Sample Barley Malt.....	8,284,230			8,284,230

##### SHIPMENTS

Grain	Vessel	Rail	Transfer Shipments		Total
			Rail	Vessel	
	bush.	bush.	bush.	bush.	bush.
Wheat.....	178,651,980-10	239,031-40	3,631,978-10	4,187,441-40	186,710,431-40
Oats.....	14,704,062-08	1,766,569-20	1,027,673-07	61,084-27	17,559,389-28
Barley.....	9,504,885-09	249,170-08	100,719-04	274,048-42	10,128,823-15
Flaxseed.....	536,723-22	110,851-41	8,119-00		655,694-07
Rye.....	2,752,734-09	2,850-00	103,232-06	244,684-07	3,103,500-22
South African corn.....		20,669-16	4,200-00		24,869-16
Canadian corn.....		15,096-54	15,108-52		30,205-50
	pounds	pounds	pounds		pounds
Mixed grain.....	701,070	1,958,130	116,310		2,775,510
Mixed Feed oats					
groats.....	887,730	2,568,000			3,455,730
All screenings.....	114,213,360	33,419,760	7,450,600		155,083,720
Sample Barley malt.....	8,284,110				8,284,110



## GROSS HANDLINGS OF ALL GRAINS DURING THE CROP YEAR 1935-36, AT THE FOLLOWING POINTS:

## RECEIPTS

Point	Wheat	Oats	Barley	Flax	Rye	Miscellaneous
	bush.	bush.	bush.	bush.	bush.	pounds
Vancouver and New Westminster.....	58,809,425-00	3,323,040-11	208,604-13	2,975-00	71,702-33	58,175,840
Prince Rupert.....	1,019,065-50	2,877-02				
Churchill.....	2,557,177-20	4,280-10				
North Transcona.....	846,137-50	6,807-22	53,154-18	90-41		
Calgary.....	2,637,234-10	946,880-20	452,922-34	710-20		53,230
Edmonton.....	2,143,946-20	176,324-24	81,028-26	180-30		52,950
Lethbridge.....	1,265,952-10	232-32				
Moose Jaw.....	194,124-50	10,772-32	15,992-24	989-26		
Saskatoon.....	115,644-40	7,957-12	2,418-36			

## SHIPMENTS

Point	Wheat	Oats	Barley	Flax	Rye	Miscellaneous
	bush.	bush.	bush.	bush.	bush.	pounds
Vancouver and New Westminster.....	58,663,523-30	3,594,280-10	153,765-25	2,158-28	78,083-31	66,452,150
Prince Rupert.....	128-50	941-06				16,000
Churchill.....	2,407,000-00	4,092-22				4,734,000
North Transcona.....	1,783,944-50	13,775-20	55,226-22	67-48		553,000
Calgary.....	2,315,131-20	469,752-32	444,485-00	693-06		2,908,060
Edmonton.....	1,940,519-50	182,864-04	23,030-00	177-38		2,178,430
Lethbridge.....	1,111,727-10	3,403-28				878,670
Moose Jaw.....	298,026-50	10,911-16	15,215-20	988-26		136,250
Saskatoon.....	112,947-40	11,970-14	2,416-32			120,760

## TOTAL CARS WEIGHED AT INTERIOR POINTS OTHER THAN GOVERNMENT ELEVATORS, CROP YEAR 1935-1936

Kenora.....	553
Keewatin.....	4,594
Winnipeg.....	15,318
Portage la Prairie.....	919
Churchill.....	1,677
Medicine Hat.....	2,503
Edmonton.....	1,748
Calgary.....	4,840
Moose Jaw.....	6,903
Saskatoon.....	5,002
Total.....	44,057

## REPORT OF CARS ARRIVING AT DESTINATION, LEAKING, NOT PROTECTED BY SEALS AND WITH DEFECTIVE SEALS, ALSO CARS REPORTED IN BAD ORDER AND LOADS TRANSFERRED IN TRANSIT, CROP YEAR 1935-36

## CANADIAN PACIFIC RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead elevators.....	6,272	563	86
Elevators, excluding lakehead.....	3,578	742	97
Cars reported bad order and loads transferred.....	2		
Total.....	9,852	1,305	183

## CANADIAN NATIONAL RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead elevators.....	4,590	594	6
Elevators, excluding lakehead.....	1,890	227	35
Cars reported bad order and loads transferred.....			
Total.....	6,480	821	41
Total both roads.....	16,332	2,126	224

## CAR INSPECTION AT WINNIPEG YARDS

	Cars leaking and defective	Seals missing and defective
C.P.R. Yards.....	4,138	718
C.N.R. Yards.....	848	327
Total.....	4,986	1,045

REPORT OF THE AVERAGE REPORTED SHORTAGES OF POUNDS PER 1,000 BUSHELS  
ON THE VARIOUS GRAINS LOADED AT FORT WILLIAM AND PORT ARTHUR  
AND UNLOADED CANADIAN AND AMERICAN PORTS

## CANADIAN PORTS,

Grain	Busheles	Pounds per 1,000 bushels
Wheat.....	85,937,164-40	Short 24.59
Oats.....	13,896,875-16	Short 28.61
Barley.....	8,658,929-42	Short 33.32
Flaxseed.....	491,691-04	Short 34.08
Rye.....	1,190,419-46	Short 57.78
Barley malt.....	8,284,110 lbs.	Short .88 lbs. per 1,000 lbs.
Mixed feed oats groats.....	443-1730 tons	Short 5.9 lbs. per ton.
Screenings.....	10,840-0900 tons	Short 3.69 lbs. per ton.

## AMERICAN PORTS

Wheat.....	92,325,261-00	Short 35.11
Oats.....	850,807-02	Short 24.53
Barley.....	962,075-15	Short 51.64
Flaxseed.....	45,032-18	Short 39.02
Rye.....	1,381,263-25	Short 18.81
Screenings.....	45,866-0460 tons	Short 11.21 lbs. per ton.

## UNITED KINGDOM—CONTINENT DIRECT

Wheat.....	736,250-50	No Outturn reports received for these cargoes.
Rye.....	181,050-50	

## GRAND TOTALS—GRAIN SHIPPED

Wheat.....	178,998,676-30	Short 30.04
Oats.....	14,747,682-18	Short 28.37
Barley.....	9,621,005-09	Short 35.15
Flaxseed.....	536,723-22	Short 34.5
Rye.....	2,752,734-09	Short 36.82
Barley malt.....	8,284,110 lbs.	Short .88 lbs. per 1,000 lbs.
Mixed feed oats groats.....	443-1730 tons	Short 5.9 lbs. per ton.
Screenings.....	56,706-1360 tons	Short 9.78 lbs. per ton.

## APPENDIX No. 8

REPORT OF GENERAL MANAGER, CANADIAN GOVERNMENT  
ELEVATORS

FORT WILLIAM, ONT., October 23, 1936.

The Board of Grain Commissioners,  
Winnipeg, Man.

SIRS,—I have the honour to submit the following report of the Canadian Government Elevators for the year 1936.

## ELEVATORS OPERATED

As in former years, the elevators at Moose Jaw, Saskatoon, Calgary, Edmonton, and Lethbridge were operated by this branch under Public Terminal Elevator licences.

## ELEVATORS LEASED

The Prince Rupert elevator was operated by the Alberta Pool Elevators Limited, under lease covering a period of two years from August 1, 1935.

The Port Arthur elevator was operated by McCabe Bros. Grain Co. Ltd., under lease which expired July 31, 1936. The lessees exercised the option provided in that lease, extending it for a further period of three years from that date.

## CHARGES

The charges at the five elevators operated were maintained on the same basis as the previous year, with the exception of minor changes for the cleaning of certain grades of barley. The elevation charge on wheat at all the points is two-fifths of one cent (2/5c.) per bushel including fifteen days free storage, subsequent storage being at the rate of one-sixtieth of one cent (1/60c.) per bushel per day.

## GRAIN HANDLED

The total volume of grain handled at the five elevators was more than half a million bushels in excess of the amount handled during the previous year, the largest increases being recorded at Calgary and Lethbridge. The elevators in Saskatchewan continue to show decreased handlings due to unfavourable crop conditions and ample storage facilities at terminal and country points.

A considerable amount of oats and barley was handled through the Calgary and Edmonton elevators, where it was cleaned to seed standard for the Department of Agriculture of the Province of Alberta.

The following comparative statement shows receipts of all grains at each elevator during the last two crop years:—

Elevator	1934-35	1935-36	Increase	Decrease	Net Increase
Moose Jaw.....	599,149	221,786	.....	377,363	.....
Saskatoon.....	365,234	125,888	.....	239,346	.....
Calgary.....	2,625,558	3,416,798	791,240	.....	.....
Edmonton.....	2,322,596	2,394,971	72,375	.....	.....
Lethbridge.....	925,863	1,265,585	339,722	.....	.....
	6,838,400	7,425,028	1,203,337	616,709	586,628

## REPAIRS AND IMPROVEMENTS

*Prince Rupert.*—Extensive repairs were made to bin walls of the storage annex, after which the entire concrete surface was treated with waterproofing

compound and finished with aluminum paint. Roofs of all shipping galleries were repaired and made weatherproof.

*Port Arthur.*—New steel smoke stacks were erected on the drier boiler house and substation.

*Moose Jaw.*—Improved steel sash windows were installed in the power house.

Up-to-date facilities for the Grain Inspection Department were provided by the construction of a new office in the west end of power house.

*Saskatoon.*—Repairs were made to the roof of the storage annex.

To facilitate drainage of surface water ditches were dug and corrugated iron culvert installed under the tracks.

*Edmonton.*—The old building used by the Grain Inspection Department was torn down and an up-to-date building erected on the site.

The cast iron water supply pipe from the city main to the boiler house, which had caused considerable trouble owing to corrosion, was replaced by copper pipe.

Extensive repairs were made to outside walls of the storage annex and the entire concrete structure painted with waterproofing solution.

#### TRACKAGE

The following replacements were made in order to maintain trackage:—

Port Arthur— 500 track ties.

Prince Rupert— 300 track ties.  
switch ties and ballast.

Moose Jaw— 1,000 track ties.

Saskatoon— 1,000 track ties. 78 switch ties.

Calgary— 1,100 track ties. 57 switch ties.  
1,320 ft. heavy steel rail.

#### EQUIPMENT

Major replacements of and repairs to equipment were made as follows:—

*Port Arthur.*—Complete leg chain drive replaced. Conveyor stands and rolls replaced. One conveyor belt replaced. Extensive repairs to spouting.

*Saskatoon.*—Repairs to cleaning machines and scales. Steel wire cables replaced.

*Calgary.*—Repairs to spouting, cyclones, chain drives and cleaning machines. Three new cleaning machines installed.

#### STAFF

Staffs at all points were maintained at the minimum of requirements.

Three employees were retired on account of age, one position being abolished, one filled by temporary appointment, and one filled by transfer from another permanent position which was abolished.

Four former temporary employees were given permanent status, entailing no additions to staffs.

#### RESULTS OF OPERATION

The three extraordinary items mentioned under the heading "Repairs and Improvements", viz., repairs to Prince Rupert elevator and new offices for the grain inspection department at Edmonton and Moose Jaw, amounting to approximately \$36,000, were included in operating expenditure, with the result that the total expenditure was \$5,135.64 in excess of revenue. Expenditures for the previous year were \$2,506.44 in excess of revenue. No provision was made in either of these years for depreciation of plant and equipment.

Respectfully submitted,

R. HETHERINGTON,

General Manager.



## APPENDIX No. 9

## REPORT OF GRAIN RESEARCH LABORATORY

December 31, 1936.

MR. J. RAYNER, Secretary,  
Board of Grain Commissioners,  
Winnipeg, Man.

DEAR SIR,—I have the honour to submit the following statement covering the activities of the Grain Research Laboratory during the year 1936:

## PROTEIN STUDIES:

- (a) Survey of the protein content of the 1936 Western Canadian hard red spring wheat crop.
- (b) Survey of the protein content of the 1936 Western Canadian Amber Durum wheat crop.
- (c) Survey of the protein content of the 1936 Western Canadian barley crop.
- (d) Survey of the protein content of the 1935 and 1936 Western Canadian rye crops.
- (e) Protein content of hard red spring wheat cargoes shipped during the 1935-36 crop year.
- (f) Protein content of Western Canadian Amber Durum wheat cargoes shipped during the 1935-36 crop year.
- (g) Protein content of Western Canadian barley cargoes shipped during the 1935-36 crop year.
- (h) Protein contents of average samples of hard red spring wheat, Amber Durum wheat, barley, oats and rye, obtained from the different inspection offices during the 1935-36 crop year.
- (i) Protein content of unloads of hard red spring wheat, Amber Durum wheat, barley, oats and rye at terminal elevators—1935-36 crop year.

## MILLING AND BAKING STUDIES:

- (a) The milling, baking and other quality characteristics of the 1936 Canadian hard red spring wheat crop.
- (b) The comparative quality of cargoes of hard red spring wheat of corresponding grade ex Vancouver and Fort William during the 1934-35 crop year.
- (c) The comparative quality of cargoes of hard red spring wheat of corresponding grade ex Vancouver, Churchill, Fort William and Montreal during the 1935-36 shipping season.
- (d) The quality of Garnet wheat as compared with the northern grades ex the Port of Vancouver.
- (e) The effect of storage on grade and quality of "bronze-coloured" Reward wheat.

- (f) The comparative quality of flours from corresponding wheats milled on an Allis-Chalmers experimental mill and a Brabander automatic experimental mill.
- (g) The effect on loaf volume of proving doughs to a definite height as compared with for a fixed time.
- (h) The effect of admixtures of Garnet on the baking strength of northern grade wheat.

#### DURUM WHEAT STUDIES:

- (a) Experimental Durum milling and macaroni making technique.
- (b) Quality characteristics of the 1936 western Canadian Amber Durum wheat crop.
- (c) The relative macaroni making quality of a number of Durum wheat varieties.
- (d) The relative loss in pigment content of Durum wheat, semolina and spaghetti stored under various conditions.
- (e) A comparative study of spectrophotometric and colorimetric methods for evaluating the colour of cereal products.
- (f) A comparative study of the utility of various commercially available organic solvents for the determination of wheat and flour pigments.

#### STUDIES OF OLEAGENOUS SEEDS:

##### (a) Flaxseed—

1. The relation between refractive index and iodine value of linseed oil.
2. The effect of harvesting at different stages of maturity on the quality of flaxseed.
3. Survey of the oil content and iodine value of Western Canadian flaxseed—1936 crop.
4. Oil content and iodine value of commercial shipments of U.S. and Argentine flaxseed.

##### (b) Miscellaneous Oil Seed—

1. Sunflower.
2. Safflower.
3. False flax.

#### MISCELLANEOUS INVESTIGATIONS:

- (a) Proximate feeding stuff analyses of Western Canadian barley, oats and rye.
- (b) Proximate feeding stuff analyses of Ontario, Argentine, South African and Manitoba grown corn.
- (c) A comparative study of various methods for measuring flour "gassing-power".
- (d) The effect on flour strength of increasing the protein content by additions of dried gluten prepared from various world wheats.
- (e) Electrical moisture-meter investigations.

## SUPERVISION OF MOISTURE TESTERS

## CO-OPERATIVE STUDIES AND SERVICES:

- (a) National Research Council and Dominion Department of Agriculture.
- (b) Cereal Division, Experimental Farms Branch, Ottawa.
- (c) American Association of Cereal Chemists.
- (d) Association of Official Agricultural Chemists.
- (e) Kansas State College of Agriculture and Applied Science.
- (f) Bread Enquiry Commission.
- (g) Commercial Intelligence Service, Ottawa.
- (h) Canadian Flax Association of Winnipeg.
- (i) Canadian Wheat Board.
- (j) The Canadian National Millers Association.
- (k) Canadian Grain Trade and Producers.
- (l) Manitoba Wheat Pool.
- (m) University of Manitoba.
- (n) University of Saskatchewan.
- (o) University of British Columbia.
- (p) United States Department of Agriculture.
- (q) Dominion Rust Research Laboratory, Winnipeg.
- (r) Extension of Research Facilities to Universities.

## REPORTS AND PUBLICATIONS:

- (a) Reports to the Board of Grain Commissioners.
- (b) Scientific papers released for publication.
- (c) Technical and miscellaneous reports.

The full report, summarizing the various projects listed above, is submitted herewith and it is recommended that, in accordance with the usual practice, it be published separately.

Yours respectfully,

W. F. GEDDES,  
*Chemist in Charge.*

## APPENDIX No. 10

STATEMENT OF REVENUE AND EXPENDITURE FOR CROP YEAR  
SEPTEMBER 1, 1935, TO AUGUST 31, 1936

## (a) WINNIPEG—

## Revenue—

Licence fees.....	\$	29,482 00
Registration fees.....	7,546 72	
Cancellation fees.....	8,563 40	
		16,110 12
Inspection fees.....	135,016 00	
Samples sold.....	3,972 50	
Cargo certificates split.....	136 80	
Refund express.....	1,571 50	
		140,696 80
Appeal fees.....		1,920 00
Weighing fees.....	17,573 00	
Condition reports.....	294 25	
		17,867 25

206,076 17

## Expenditure—

## Board and Executive Office—

## Salaries—

Commission and secretary.....	34,304 34
Secretary's office.....	9,436 65
Licensing and bonding.....	10,082 50

## Rents—

Executive office.....	3,672 00
Licensing and bonding.....	1,200 00

## Travelling Expenses—

Grain Commission.....	3,136 82
-----------------------	----------

## General Expenses—

Grain Commission.....	18,468 79
Licensing and bonding.....	417 32

## Printing and Stationery—

Grain Commission.....	1,863 73
Licensing and bonding.....	1,025 21

## Assistant Commissioner's Office—

Salaries.....	8,654 50
Rent.....	618 00
Travelling expenses.....	689 95
General expenses.....	131 34
Printing and stationery.....	1 20

93,702 35

## Accounting Branch—

Salaries.....	6,752 75
General expenses.....	79 55
Printing and stationery.....	336 71

7,169 01

## Grain Research Laboratory—

Salaries.....	29,162 63
Rent.....	8,898 00
Travelling expenses.....	459 87
General expenses.....	9,070 06
Printing and stationery.....	3,027 06

50,617 62

## Registration Branch—

Salaries.....	13,361 75
Rent.....	1,572 00
Travelling expenses.....	137 60
General expenses.....	238 44
Printing and stationery.....	5 25

15,315 04

## Inspection Branch—

Salaries.....	208,920 36
Rent.....	18,002 00
Travelling expenses.....	500 85
General expenses.....	8,298 60
Printing and stationery.....	3,696 18

239,417 99

## Weighing Branch—

Salaries.....	36,803 43
Rent.....	1,590 00
Travelling expenses.....	1,044 50
General expenses.....	303 43
Printing and stationery.....	621 98

40,363 34



STATEMENT OF REVENUE AND EXPENDITURE FOR CROP YEAR  
SEPTEMBER 1, 1935, TO AUGUST 31, 1936—*Continued*

(a) WINNIPEG—*Con.**Expenditure—Con.*

Grain Appeal Tribunal—		
Salaries.....	5,212 60	
Rent.....	420 00	
General expenses.....	1,373 14	
Printing and stationery.....	25 91	
	<hr/>	7,031 65
Grain Standards Committee—		
Salaries.....		
Travelling expenses.....	1,403 70	
General expenses.....	3,969 77	
	<hr/>	5,373 47

458,990 47

## (b) CHURCHILL—

*Revenue—*

Inspection fees.....	5,119 00	
Weighing fees.....	5,848 00	
	<hr/>	10,967 00

10,967 00

*Expenditure—*

## Inspection Branch—

Salaries.....	2,833 50	
Travelling expenses.....	2,064 10	
General expenses.....	23 27	
	<hr/>	4,920 87

## Weighing Branch—

Salaries.....	2,564 64	
Travelling expenses.....	1,304 50	
General expenses.....	10 00	
	<hr/>	3,879 14

8,800 01

## (c) KEEWATIN—

*Revenue—*

Inspection fees.....	2,459 36	
Weighing fees.....	4,674 00	
	<hr/>	7,133 36

*Expenditure—*

Salaries, inspection.....	2,418 36	
Salaries, weighing.....	4,674 00	
General expenses.....	41 00	
	<hr/>	7,133 36

## (d) KENORA—

*Revenue—*

Weighing fees.....	2,166 00	
	<hr/>	2,166 00

*Expenditure—*

Salaries, weighing.....	2,082 49	
General expenses.....	12 00	
	<hr/>	2,094 49

## (e) PORTAGE LA PRAIRIE—

*Revenue—*

Weighing fees.....	2,337 00	
	<hr/>	2,337 00

*Expenditure—*

Salaries, weighing.....	2,337 00	
	<hr/>	2,337 00

## (f) SASKATOON—

*Revenue—*

Inspection fees.....	5,571 60	
Samples sold.....	240 31	
	<hr/>	5,811 91
Weighing fees.....	6,061 40	
	<hr/>	11,873 31

*Expenditure—*

## Assistant Commissioner's Office—

Salaries.....	8,654 50	
Travelling expenses.....	869 80	
General expenses.....	127 29	
Printing and stationery.....	15 47	
	<hr/>	9,667 06

STATEMENT OF REVENUE AND EXPENDITURE FOR CROP YEAR  
SEPTEMBER 1, 1935, TO AUGUST 31, 1936—*Continued*

(f) SASKATOON—*Con.**Expenditure—Con.*

## Inspection Branch—

Salaries.....	11,344 95	
Rent.....	907 00	
Travelling expenses.....	120 00	
General expenses.....	366 45	
Printing and stationery.....	1 25	
	<hr/>	12,739 65

## Weighing Branch—

Salaries.....		10,435 28
---------------	--	-----------

32,841 99

## (g) MOOSE JAW—

*Revenue—*

Inspection fees.....	7,235 70	
Samples sold.....	305 34	
	<hr/>	7,541 04
Weighing fees.....		7,312 70

14,853 74

*Expenditure—*

## Inspection Branch—

Salaries.....	10,735 25	
Rent.....	900 00	
Travelling expenses.....	120 00	
General expenses.....	401 48	
Printing and stationery.....	260 51	
	<hr/>	12,417 24

## Weighing Branch—

Salaries.....		7,415 85
---------------	--	----------

19,833 09

## (i) MEDICINE HAT—

*Revenue—*

Inspection fees.....	4,715 81	
Samples sold.....	192 75	
	<hr/>	4,908 56
Weighing fees.....		4,598 00

9,506 56

*Expenditure—*

## Inspection Branch—

Salaries.....	4,506 72	
Rent.....	240 00	
General expenses.....	161 84	
	<hr/>	4,908 56

## Weighing Branch—

Salaries.....		4,598 00
---------------	--	----------

9,506 56

## (j) LETHBRIDGE—

*Revenue—*

Inspection fees.....	1,124 00	
Samples sold.....	66 99	
	<hr/>	1,190 99
Weighing fees.....		1,104 80

2,295 79

*Expenditure—*

## Inspection Branch—

Salaries.....	3,975 69	
General expenses.....	27 31	
Travel.....	46 60	
	<hr/>	4,049 60

## Weighing Branch—

Salaries.....	3,581 00	
General expenses.....	10 00	
Travel.....	25 45	
	<hr/>	3,616 45

7,666 05

## (k) SUPERIOR—

*Revenue—*

Inspection fees.....		108 00
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*Expenditure—*

Salaries, inspection.....		2,592 46
---------------------------	--	----------

STATEMENT OF REVENUE AND EXPENDITURE FOR CROP YEAR  
SEPTEMBER 1, 1935, TO AUGUST 31, 1936—*Continued*

## (1) CALGARY—

*Revenue—*

Inspection fees.....	29,398 30	
Samples sold.....	966 57	
Refund express.....	455 25	
	<hr/>	30,820 12
Weighing fees.....	9,744 88	
Appeal fees.....	2,553 00	
	<hr/>	12,297 88

43,118 00

*Expenditure—*

## Assistant Commissioner's Office—

Salaries.....	8,490 95	
Rent.....	498 00	
Travelling expenses.....	474 36	
General expenses.....	213 56	
Printing and stationery.....	23 42	
	<hr/>	9,700 29

## Inspection Branch—

Salaries.....	41,283 31	
Rent.....	1,851 00	
Travelling expenses.....	118 00	
General expenses.....	3,579 88	
Printing and stationery.....	403 29	
	<hr/>	47,235 48

## Weighing Branch—

Salaries.....	17,537 35	
Travelling expenses.....	471 65	
General expenses.....	170 08	
Printing and stationery.....	39 18	
	<hr/>	18,218 26

## Grain Appeal Tribunal—

Salaries.....	600 00	
Rent.....	355 00	
Travelling expenses.....	520 95	
General expenses.....	1,599 79	
Printing and stationery.....	35 09	
	<hr/>	3,110 83

78,264 86

## (m) VICTORIA—

*Revenue—*

Inspection fees.....	
Weighing fees.....	

*Expenditure—*

## Inspection Branch—

Salaries.....	712 50	
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## Weighing Branch—

Salaries.....	1,363 25	
Travelling expenses.....		
	<hr/>	2,075 75

## (n) PRINCE RUPERT—

*Revenue—*

Inspection fees.....	2 90	
Samples sold.....	19 51	
	<hr/>	22 41
Weighing fees.....		645 90
	<hr/>	668 31

*Expenditure—*

## Inspection Branch—

Salaries.....	3,267 00	
General expenses.....	48 01	
	<hr/>	3,315 01

## Weighing Branch—

Salaries.....	3,576 77	
Travelling expenses.....		
General expenses.....	10 90	
	<hr/>	3,587 67

6,902 68

## (o) EDMONTON—

*Revenue—*

Inspection fees.....	20,855 50	
Samples sold.....	587 49	
Refund express.....	249 50	
	<hr/>	21,692 49
Weighing fees.....	5,971 00	
Appeal fees.....	2,238 00	
	<hr/>	8,209 00

29,901 49

STATEMENT OF REVENUE AND EXPENDITURE FOR CROP YEAR  
SEPTEMBER 1, 1935, TO AUGUST 31, 1936—*Continued*

(o) EDMONTON—*Con.**Expenditure—*

## Inspection Branch—

Salaries.....	37,880 03	
Rent.....	3,779 00	
Travelling expenses.....	467 45	
General expenses.....	2,139 28	
Printing and stationery.....	877 81	
		45,143 57

## Weighing Branch—

Salaries.....	8,720 05	
Travelling expenses.....	20 00	
General expenses.....	61 60	
Printing and stationery.....	1 80	
		8,803 45

## Grain Appeal Tribunal—

Salaries.....	4,399 92	
Rent.....	510 00	
General expenses.....	1,537 05	
Printing and stationery.....	36 52	
		6,483 49

60,430\_51

## (p) VANCOUVER—

*Revenue—*

Inspection fees.....	63,634 70	
Samples sold.....	3,240 57	
Splits.....	30	
		66,875 57
Weighing fees.....		103,543 30
Registration fees.....	2,461 04	
Cancellation fees.....	2,499 80	
		4,960 84

175,379 71

*Expenditure—*

## Inspection Branch—

Salaries.....	91,981 87	
Rent.....	4,359 00	
Travelling expenses.....	294 75	
General expenses.....	2,121 49	
Printing and stationery.....	1,305 00	
		100,062 11

## Weighing Branch—

Salaries.....	72,414 42	
Rent.....	1,659 00	
Travelling expenses.....	136 15	
General expenses.....	741 56	
Printing and stationery.....	778 51	
		75,729 64

## Registration Branch—

Salaries.....	5,234 50	
Rent.....	1,092 00	
Travelling expenses.....	128 70	
General expenses.....	208 48	
		6,663 68

182,455 43

## (q) FORT WILLIAM—

*Revenue—*

Inspection fees.....	204,189 20	
Samples sold.....	5,598 76	
Splits.....	15 10	
		209,803 06
Weighing fees.....		330,945 20

540,748 26

*Expenditure—*

## Inspection Branch—

Salaries.....	295,667 59	
Rent.....	12,434 88	
Travelling expenses.....	176 15	
General expenses.....	6,377 10	
Printing and stationery.....	1,547 24	
		316,202 96

## Weighing Branch—

Salaries.....	242,096 19	
Rent.....	3,157 68	
Travelling expenses.....	670 53	
General expenses.....	2,014 40	
Printing and stationery.....	2,277 96	
		250,216 76



STATEMENT OF REVENUE AND EXPENDITURE FOR CROP YEAR  
SEPTEMBER 1, 1935, TO AUGUST 31, 1936—*Concluded*

(q) FORT WILLIAM—*Con.*

## Assistant Commissioner's Office—

Salaries.....	8,425 25	
Rent.....	837 00	
Travelling expenses.....	210 49	
General expenses.....	203 93	
Printing and stationery.....	3 10	
		9,679 77

## Statistical Branch—

Salaries.....	37,010 46	
Rent.....	2,016 00	
Travelling expenses.....	469 45	
General expenses.....	2,064 94	
Printing and Stationery.....	2,406 90	
		43,967 75

620,067 24

## (r) TORONTO—

## Revenue—

Inspection fees.....	2,690 89	
Sampling fees.....	7 00	
Samples sold.....	47 73	
Splits.....	11 10	
		2,756 72
Appeal fees.....		3 00

2,759 72

## Expenditure—

## Inspection Branch—

Salaries.....	4,674 00	
Rent.....	540 00	
Travelling expenses.....	76 00	
General expenses.....	438 27	
Printing and stationery.....	26 60	

5,754 87

## (s) MONTREAL—

## Revenue—

Inspection fees.....	1,685 97	
Sampling fees.....	3,438 99	
Samples sold.....	92 20	
Splits.....	1,218 80	
Sundries.....	7 00	
		6,442 96
Registration fees.....	1,980 81	
Cancellation fees.....	2,351 80	
		4,332 61
Weighing fees.....		2 40

10,777 97

## Expenditure—

## Inspection Branch—

Salaries.....	27,539 29	
Rent.....	1,940 04	
Travelling expenses.....	1,227 14	
General expenses.....	719 79	
Printing and stationery.....	456 53	
		31,882 79

## Registration Branch—

Salaries.....	3,360 00	
Rent.....	360 00	
General expenses.....	241 83	
Printing and stationery.....	61 22	
Travel.....	122 60	
		4,145 65

## Grain Appeal Tribunal—

Salaries.....	175 00	
General expenses.....	5 00	
		180 00

36,208 44

## (t) THE PAS—

## Revenue—

Inspection fees.....	971 00	
Samples sold.....	17 77	
		988 77

988 77

## Expenditure—

Inspection Branch—Wages.....		79 91
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## STATEMENT SHOWING REVENUE AND EXPENDITURE BY POINTS AND BRANCHES

## REVENUE

Points	Inspection	Weighing	Appeal Boards	Regis- tration	Commis- sion	Statistical	Accounting	Research Laboratory	Grain Standards	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Winnipeg.....	140,696 80	17,867 25	1,920 00	16,110 12	29,482 00	.....	.....	.....	.....	206,076 17
Churchill.....	5,119 00	5,848 00	.....	.....	.....	.....	.....	.....	.....	10,967 00
Keewatin.....	2,418 36	4,715 00	.....	.....	.....	.....	.....	.....	.....	7,133 36
Kenora.....	.....	2,166 00	.....	.....	.....	.....	.....	.....	.....	2,166 00
Portage la Prairie.....	.....	2,337 00	.....	.....	.....	.....	.....	.....	.....	2,337 00
Saskatoon.....	.....	6,061 40	.....	.....	.....	.....	.....	.....	.....	11,873 31
Moose Jaw.....	5,811 91	7,312 70	.....	.....	.....	.....	.....	.....	.....	14,853 74
Medicine Hat.....	7,541 04	4,598 00	.....	.....	.....	.....	.....	.....	.....	9,506 56
Lethbridge.....	4,908 56	.....	.....	.....	.....	.....	.....	.....	.....	2,295 79
Superior.....	1,190 99	1,104 80	.....	.....	.....	.....	.....	.....	.....	108 00
Calgary.....	108 00	.....	.....	.....	.....	.....	.....	.....	.....	43,118 00
Prince Rupert.....	30,820 12	9,744 88	2,553 00	.....	.....	.....	.....	.....	.....	668 31
Edmonton.....	22 41	645 90	.....	.....	.....	.....	.....	.....	.....	29,901 49
Vancouver.....	21,692 49	5,971 00	2,238 00	.....	.....	.....	.....	.....	.....	175,379 71
Fort William.....	66,875 57	103,543 30	.....	4,960 84	.....	.....	.....	.....	.....	540,748 26
The Pas.....	209,803 06	330,945 20	.....	.....	.....	.....	.....	.....	.....	988 77
Toronto.....	988 77	.....	.....	.....	.....	.....	.....	.....	.....	2,759 72
Montreal.....	2,756 72	.....	3 00	.....	.....	.....	.....	.....	.....	10,777 97
	6,442 96	2 40	.....	4,332 61	.....	.....	.....	.....	.....	.....
	507,196 76	502,862 83	6,714 00	25,403 57	29,482 00	.....	.....	.....	.....	1,071,659 16

# STATEMENT SHOWING REVENUE AND EXPENDITURE BY POINTS AND BRANCHES—Concluded

## EXPENDITURE

### GRAIN COMMISSION

53

Points	Inspection	Weighing	Appeal Boards	Regis- tration	Commis- sion	Statistical	Accounting	Research Laboratory	Grain Standards	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Winnipeg.....	239,417 99	40,363 34	7,031 65	15,315 04	93,702 35		7,169 01	50,617 62	5,373 47	458,990 47
Churchill.....	4,920 87	3,879 14								8,800 01
Keewatin.....	2,418 36	4,715 00								7,133 36
Kenora.....		2,094 49								2,094 49
Portage la Prairie.....		2,337 00								2,337 00
Saskatoon.....	12,739 65	10,435 28								32,841 99
Moose Jaw.....	12,417 24	7,415 85			9,667 06					19,833 09
Medicine Hat.....	4,908 56	4,598 00								9,506 56
Lethbridge.....	4,049 60	3,616 45								7,666 05
Superior.....	2,592 46									2,592 46
Calgary.....	47,235 48	18,218 26	3,110 83		9,700 29					78,264 86
Victoria.....	712 50	1,363 25								2,075 75
Prince Rupert.....	3,315 01	3,587 67								6,902 68
Edmonton.....	45,143 57	8,803 45	6,483 49							60,430 51
Vancouver.....	100,062 11	75,729 64		6,663 68						182,455 43
Fort William.....	316,202 96	250,216 76			9,679 77	43,967 75				620,067 24
Toronto.....	5,754 87									5,754 87
Montreal.....	31,882 79		180 00	4,145 65						36,208 44
The Pas.....	79 91									79 91
	833,853 93	437,373 58	16,805 97	26,124 37	122,749 47	43,967 75	7,169 01	50,617 62	5,373 47	1,544,035 17

Total Expenditure.....\$ 1,544,035 17

Total Revenue.....1,071,659 16

Net Deficit.....\$ 472,376 01

## SUMMARY OF OPERATIONS BY BRANCHES

## REVENUE

Points	Inspection	Weighing	Appeal Boards	Registration	Commission	Statistical	Accounting	Research Laboratory	Grain Standards	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Fees.....	484,736 93	502,568 58	6,714 00	25,403 57	29,482 00	.....	.....	.....	.....	1,048,905 08
Sampling.....	3,445 99	.....	.....	.....	.....	.....	.....	.....	.....	3,445 99
Express charges.....	2,276 25	.....	.....	.....	.....	.....	.....	.....	.....	2,276 25
Cargo splits.....	1,382 10	.....	.....	.....	.....	.....	.....	.....	.....	1,382 10
Samples sold.....	15,348 49	.....	.....	.....	.....	.....	.....	.....	.....	15,348 49
Condition reports.....	.....	294 25	.....	.....	.....	.....	.....	.....	.....	294 25
Sundries.....	7 00	.....	.....	.....	.....	.....	.....	.....	.....	7 00
	507,196 76	502,862 83	6,714 00	25,403 57	29,482 00	.....	.....	.....	.....	1,071,659 16

## EXPENDITURE

Salaries.....	750,412 79	420,199 72	10,387 52	21,956 25	88,048 69	37,010 46	6,752 75	29,162 63	.....	1,363,930 81
Rents.....	44,952 92	6,406 68	1,285 00	3,024 00	6,825 00	2,016 00	.....	8,898 00	.....	73,407 60
Expenses.....	29,913 81	7,047 75	5,035 93	1,077 65	9,548 32	2,534 39	79 55	9,529 93	5,373 47	70,140 80
Printing and Stationery.....	8,574 41	3,719 43	97 52	66 47	2,932 13	2,406 90	336 71	3,027 06	.....	21,160 63
Special Exp.—Garnet wheat.....	.....	.....	.....	.....	15,395 33	.....	.....	.....	.....	15,395 33
	833,853 93	437,373 58	16,805 97	26,124 37	122,749 47	43,967 75	7,169 01	50,617 62	5,363 47	1,544,035 17

Net Deficit.....\$ 472,376 01



## APPENDIX No. 11

## REGULATIONS OF THE BOARD

The Regulations of the Board in effect at 31st December, 1936, are as follows:

- No. 1. Registration and Cancellation of Terminal Warehouse Receipts.
- " 4. Inspection of Samples taken other than at an Inspection Point.
- " 8. Inspection and Grading of Grain after Treatment.
- " 11. Procedure for Appeals from Inspection Officers to Grain Appeal Tribunals as amended.
- " 14. Construction of Elevators.
- " 21. Cleaning Grain and Bins.
- " 22. Fees as amended.
- " 23. Form of Terminal Warehouse Receipt.
- " 35. Registration and Cancellation of Transfer and Eastern Warehouse Receipts.
- " 36. Delivery of Grain to Ocean vessels at Montreal.
- " 37. Maximum Charges and Shrinkage Allowance—Country Elevators.
- " 38. Maximum Tariff of Charges, Terminal Elevators at Fort William-Port Arthur as amended.
- " 39. Maximum Tariff of Charges, Government Interior Terminal Elevators at Saskatoon, Moose Jaw, Calgary, Edmonton, Lethbridge as amended.
- " 40. Maximum Tariff of Charges, Terminal Elevators west of Calgary, Alberta, as amended.
- " 41. Maximum Tariff of Charges, Churchill Terminal Elevator as amended.
- " 42. Maximum Tariff of Charges for handling grain at Eastern Elevators.
- " 43. Procedure—Country Elevators.
- " 44. Drying of Grain.
- " 45. Records, Reports and Returns.
- " 46. Receipt for grain delivered to Private Country Elevators and Mill Elevators.
- " 47. Inspection of grain at The Pas, Manitoba.

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ANNUAL REPORT  
OF THE  
Board of Grain Commissioners  
for Canada

FOR THE YEAR

1936



OTTAWA  
J. O. PATENAUDE, I.S.O.  
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